



COLORADO DEPARTMENT OF HEALTH

Richard D. Lamm
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Frank A. Traylor, M.D.
Executive Director

May 18, 1983

Mr. Eric G. Hoffman
U.S. Department of Interior
Bureau of Land Management
Oil Shale Projects Office
131 N. 6th Street, Suite 300
Grand Junction, Colorado 81501

RECEIVED

MAY 23 1983

OIL SHALE

Dear Mr. Hoffman:

Thank you for the January 15, 1983 Environmental Monitoring Report from Tract C-b. I was pleased to see the few number of analyzer down periods, however when they did occur, the documentation provides a good explanation as to the reason. Generally, the report looks very good.

My review did turn up some inconsistencies.

1. Table 2.3.1. 1-2, Quarterly Summary March - May 1982, listed the maximum particulate level for this quarter as 43.5 ug/m^3 (May 31). The monthly summary for May indicated a maximum value of 25.6 ug/m^3 . Which of these values is correct? The same inconsistency occurred in Table 2.3.1. 1-3, Quarterly Summary June - August 1982, where the particulate value was listed as 51.4 ug/m^3 (June 8) but the June summary listed 30.2 ug/m^3 for the same day.
2. Looking through the monthly NO_x - NO - NO_2 reports I noticed that the NO and NO_2 values for a certain day and hour did not always add together to equal the NO_x value. For example, the June 11, 2000 hour NO_x , NO, and NO_2 values were 103, 35 and 49 ug/m^3 , respectively. An error of one or two units would be expected, but a difference of 19 at relatively high concentrations indicates that a calculation problem may exist.
3. The 1982 maximum O_3 concentration occurred on August 7 at 2400 hours. The August data sheet shows a reasonable progression of increasing values on the seventh, however, it is unusual, though not impossible, to see a high O_3 reading at midnight. Also there is a calibration notation (CA) for the hour following the 143 ug/m^3 reading. I assume this was not a routine automatic zero/span since there are no similar notations on other days. The 143 ug/m^3 was the 1982 maximum reading and it did not occur under what are considered "normal" circumstances, therefore I would like further assurance that 143 ug/m^3 is valid number. Please recheck the value and inform me of your findings.

Tables 2.3. 1-12 and Table 2.3.1. 2-3 list respectively the five maximum oxidant and particulate concentrations for 1982. These values are listed as the "five highest monthly averages" when the ozone values are actually hourly maximums and the particulate concentrations are daily (24-hour) values.

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Eric G. Hoffman
May 18, 1983

I have reviewed your two 1982 data reports and come up with a set of 1982 statistics relating to the National Ambient Air Quality Standards. I would appreciate a review of these figures. If your information shows any of these values to be incorrect please let me know.

Pollutant	Averaging Time	Concentration ug/m ³	Concentration ppm
NO ₂	Annual	2.7	.001
O ₃	1-hour Max.	14.3	.073
SO ₂	Annual	1.4	.0005
	3-hour Max.	15.7	.008
	24-hour Max.	9.5	.005
CO	1-hour Max.	600	.5
	8-hour Max.	200	.2
TSP	24-hour Max.	42.2	
	Annual geometric Mean	7.2	

If you have any questions, please feel free to contact me.

Sincerely,

Beth K. Baird

Beth K. Baird
Air Pollution Control Specialist
Air Pollution Control Division

cc: Steve Arnold

BKB:tb

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U. S. DEPARTMENT OF THE INTERIOR
PROTOTYPE OIL SHALE LEASING PROGRAM

OIL SHALE TRACT C-b
ENVIRONMENTAL MONITORING REPORT
(June 1982 through December 1982)

Submitted to:

Mr. Eric G. Hoffman
Deputy Minerals Manager for Oil Shale
Oil Shale Office
USDI Minerals Management Service
131 Nth 6th Street - Suite 300
Grand Junction, Colorado

By:

CATHEDRAL BLUFFS SHALE OIL COMPANY

TENNECO SHALE OIL COMPANY
OCCIDENTAL OIL SHALE, INC.

January 15, 1983

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INTRODUCTION

Regular environmental reporting for Oil Shale Tract C-b during the interim monitoring period consists of two six-month data reports submitted February 15 and July 15 for 1983. Limited data analyses are included in the February report.

The Interim Monitoring Program was initiated in March 1982. The data reported here fulfill the environmental monitoring requirements specified for the interim monitoring period by the DMM-OS. Data are reported for the period of May 1982 to December 1982. Data stored in the computerized data base and summary tables presented in this report are correct to the best of our knowledge. Any errors found in previously reported data appear in the Data Corrections section.

Data not previously reported for dates prior to this report period are presented in the Supplemental Data Sections for meteorology, air quality, hydrology and lab analyses.

1.0 PRE-EXPLORATION ENVIRONMENTAL RECONNAISSANCE SURVEYS

No environmental reconnaissance surveys have been conducted during the interim period. The results of previous surveys are contained in Quarterly Data Reports #1 and #3 and are summarized in Summary Reports #1 and #2.

2.0 ENVIRONMENTAL MONITORING PROGRAM

The Development Monitoring Program was discontinued in March 1982 and replaced with an Interim Monitoring Program during a period of reduced site activity at the C-b Tract. Each section will specify changes made to the monitoring program.

2.1 Tract Photography

Surface and aerial photography programs were discontinued during the interim monitoring period.

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TABLE 2.2-1
Interim Monitoring Program
Water Monitoring Requirements by Designation
Observation Wells

Computer Code	Designation	Owner of Well	Formation	Frequency Levels	Water Quality	Measured By
WA01	A-1	TOSCO	Alluvium	M	S/F	A
WA02	A-2	TOSCO	"	M	S/F	A
WA03	A-3	CB	"	M	S/F	A
WA04	A-4	CB	"	Dry	S/F	A
WA05	A-5	CB	"	M	S/F	A
WA55	A-5A	CB	"	M	S/F	A
WA56	A-5B	CB	"	M	S/F	A
WA06	A-6	TOSCO	"	M	S/F	A
WA07	A-7	CB	"	M	S/F	A
WA08	A-8	TOSCO	"	M	S/F	A
WA09	A-9	CB	"	M	S/F	A
WA10	A-10	CB	"	Dry	S/F	A
WA11	A-11	CB	"	M	S/F	A
WA12	A-12	CB	"	M	S/F	A
WA13	A-13	CB	"	Dry	S/F	A
WD02	CB-2	CB	UPC1	M	-	A
WE03	CB-3	CB	UPC2	M	-	A
WE04	CB-4	CB	UPC2	M	-	A
WG12	SG-1-1	CB	LPC3	C	S1	A
WD12	SG-1-2	CB	UPC1	C	S1	A
WE11	SG-1A-1	CB	UPC2	S	-	A
WD11	SG-1A-2	CB	UPC1	S	-	A
WE61	SG-6-1	CB	UPC2	M	-	A
WG61	SG-6-2	CB	LPC3	M	-	A
WD61	SG-6-3	CB	UPC1	M	-	A
WY81	SG-8R	CB	Lower Aquifer	M	S1	A
WG91	SG-9-1	CB	LPC3	B	-	A
WE91	SG-9-2	CB	UPC2	B	-	A
WD91	SG-9-3	CB	UPC1	B	-	A
WC91	SG-9-4	CB	Uinta	B	-	A
WG51	SG-10A-1	CB	LPC3	M	-	A
WE51	SG-10A-2	CB	UPC2	M	-	A
WD51	SG-10A-A	CB	UPC1	M	-	A
WD90	SG-10	CB	UPC1	C	Q1	A
WG52	SG-11-1	CB	LPC3	M	-	A
WE52	SG-11-2	CB	UPC2	M	-	A
WD52	SG-11-3	CB	UPC1	M	-	A
WG17	SG-17-1	CB	LPC3	B	-	A
WE17	SG-17-2	CB	UPC2	B	-	A
WD17	SG-17-3	CB	UPC1	B	-	A
WC17	SG-17-4	CB	Uinta	B	-	A
WD57	SG-17A	CB	UPC1	B	S1	A
WG18	SG-18A-1	CB	LPC3	O	-	A
WE18	SG-18A-2	CB	UPC2	O	-	A
WD18	SG-18A-3	CB	UPC1	O	-	A
WD19	SG-19	CB	UPC1	M	-	A
WG20	SG-20-1	TOSCO	LPC3	CAPPED	-	A
WE20	SG-20-2	TOSCO	UPC2	M	S1	A
WD20	SG-20-3	TOSCO	UPC1	M	S1	A
WH21	SG-21-1	CB	LPC4	M	-	A
WG21	SG-21-2	CB	LPC3	M	-	A
WE21	SG-21-3	CB	UPC2	M	-	A
WD21	SG-21-4	CB	UPC1	M	-	A
WV37	AT-1A	CB	COMPOSITE	M	-	A
WX38	AT-1A-1	CB	UPPER AQUIFER	M	-	A
WY45	AT-1C-1	CB	LOWER AQUIFER	W	Q	A
WY46	AT-1C-2	CB	LOWER AQUIFER	W	Q	A
WX44	AT-1C-3	CB	UPPER AQUIFER	W	Q	A
WG41	AT-1D-1	CB	LPC3	C	-	A
WE41	AT-1D-2	CB	UPC2	B	-	A
WD41	AT-1D-3	CB	UPC1	B	-	A
WD14	14X-7-1	CB	UPC1	M	-	A
WD15	14X-7-2	CB	UPC1	B	-	A
WV07	21X-12	CB	COMPOSITE	S	-	A
WV08	22X-1	CB	COMPOSITE	S	-	A
WI19	22X-17	CB	UPC2 & LPC3	M	-	A
WI17	24X-17	CB	UPC2 & LPC3	M	-	A

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2.2 Hydrology and Water Quality

To assist in interpretation of hydrologic and water quality data, the reader must understand that two items in particular may affect monitoring program results: intentional flooding of the V/E shaft and water management practices. The V/E shaft was allowed to flood in September 1981; water levels have reached the equilibrium level shown in Figure 2.2.1.7-1. Water management practices to dispose of excess mine water from the Production and Service shafts utilized two modes in 1982; direct discharge from Ponds A/B into Piceance Creek via Little Gardenhire Gulch and/or reinjection into groundwater zones of like water quality, mode varied in both timing and amount.

Hydrologic and water quality monitoring frequency and laboratory analysis requirements vary by type and location of sample collection station. The requirements from government agencies also vary regarding purpose of monitoring. Tract C-b monitoring requirements have been detailed in these documents as follows:

IMP - Interim Monitoring Program prepared for the Oil Shale Office (OSO).

WAP - Water Augmentation Plan prepared for the State of Colorado Water Court, Division 5.

NPDES - National Pollutant Discharge Elimination System monthly report prepared for the State of Colorado Water Quality Control Division.

This data report contains results of waters sampled during June through December 1982 and time series plots of spring flows, well levels and specific water analysis parameters of stream and spring samples.

Table 2.2-1 contains water monitoring requirements by station designation for sample frequencies of levels or flows and water quality. Within each subsection of Water Quality Section 2.2.2, the required frequency is explained and parameters listed for analyses during the Interim Monitoring Program (IMP). Table 2.2-2 is an index of deep wells sampled in and around C-b Tract with lists of page numbers locating levels data, time series plots of levels and water quality for each well by aquifer or zone and location.

Exhibit A (map) presented in jacket Figure 2.2-1 provides location of off-tract sampling sites. Maps are included in each water type subsection for locating on or near Tract sampling sites. Station coordinates and four-digit computer codes for collection stations sampled periodically since baseline are presented in Section 4.0, Data Automation.

The water quality files underwent an extensive quality assurance review and update process correcting erroneous values stored back to baseline. Tables of all parameters for each water location for the entire data base are presented in the Water Quality Assurance Section 2.2.4. The update process was a means of assuring that all data stored in the water quality files are correct to the best of our knowledge. Additional data screening is being implemented to detect outliers which still may exist within these files. Five-year statistics of all water quality parameters for springs, seeps, alluvial and bedrock wells are presented in each subsection of the Water Quality Section 2.2.2. These statistics include the maximum, minimum, mean and standard deviation values of all water quality parameters analyzed during this five year period; water years 1978 - 1982(October 1977 - September 1982).

TABLE 2.2-1
Interim Monitoring Program
Water Monitoring Requirements by Designation
Observation Wells

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Computer Code	Designation	Owner of Well	Formation	----Frequency----	Water Quality	Measured By
WA01	A-1	TOSCO	Alluvium	M	S/F	A
WA02	A-2	TOSCO	"	M	S/F	A
WA03	A-3	CB	"	M	S/F	A
WA04	A-4	CB	"	Dry	S/F	A
WA05	A-5	CB	"	M	S/F	A
WA55	A-5A	CB	"	M	S/F	A
WA56	A-5B	CB	"	M	S/F	A
WA06	A-6	TOSCO	"	M	S/F	A
WA07	A-7	CB	"	M	S/F	A
WA08	A-8	TOSCO	"	M	S/F	A
WA09	A-9	CB	"	M	S/F	A
WA10	A-10	CB	"	Dry	S/F	A
WA11	A-11	CB	"	M	S/F	A
WA12	A-12	CB	"	M	S/F	A
WA13	A-13	CB	"	Dry	S/F	A
WD02	CB-2	CB	UPC1	M	-	A
WE03	CB-3	CB	UPC2	M	-	A
WE04	CB-4	CB	UPC2	M	-	A
WG12	SG-1-1	CB	LPC3	C	S ₁	A
WD12	SG-1-2	CB	UPC1	C	S ₁	A
WE11	SG-1A-1	CB	UPC2	S	-	A
WD11	SG-1A-2	CB	UPC1	S	-	A
WE61	SG-6-1	CB	UPC2	M	-	A
WG61	SG-6-2	CB	LPC3	M	-	A
WD61	SG-6-3	CB	UPC1	M	-	A
WY81	SG-8R	CB	Lower Aquifer	M	S ₁	A
WG91	SG-9-1	CB	LPC3	B	-	A
WE91	SG-9-2	CB	UPC2	B	-	A
WD91	SG-9-3	CB	UPC1	B	-	A
WC91	SG-9-4	CB	Uinta	B	-	A
WG51	SG-10A-1	CB	LPC3	M	-	A
WE51	SG-10A-2	CB	UPC2	M	-	A
WD51	SG-10A-A	CB	UPC1	M	-	A
WD90	SG-10	CB	UPC1	C	Q ₁	A
WG52	SG-11-1	CB	LPC3	M	-	A
WE52	SG-11-2	CB	UPC2	M	-	A
WD52	SG-11-3	CB	UPC1	M	-	A
WG17	SG-17-1	CB	LPC3	B	-	A
WE17	SG-17-2	CB	UPC2	B	-	A
WD17	SG-17-3	CB	UPC1	B	-	A
WC17	SG-17-4	CB	Uinta	B	-	A
WD57	SG-17A	CB	UPC1	B	S ₁	A
WG18	SG-18A-1	CB	LPC3	O	-	A
WE18	SG-18A-2	CB	UPC2	O	-	A
WD18	SG-18A-3	CB	UPC1	O	-	A
WD19	SG-19	CB	UPC1	M	-	A
WG20	SG-20-1	TOSCO	LPC3	CAPPED	-	A
WE20	SG-20-2	TOSCO	UPC2		S ₁	A
WD20	SG-20-3	TOSCO	UPC1	M	S ₁	A
WH21	SG-21-1	CB	LPC4	M	-	A
WG21	SG-21-2	CB	LPC3	M	-	A
WE21	SG-21-3	CB	UPC2	M	-	A
WD21	SG-21-4	CB	UPC1	M	-	A
WV37	AT-1A	CB	COMPOSITE	M	-	A
WX38	AT-1A-1	CB	UPPER AQUIFER	M	-	A
WY45	AT-1C-1	CB	LOWER AQUIFER	W	O	A
WY46	AT-1C-2	CB	LOWER AQUIFER	W	-	A
WX44	AT-1C-3	CB	UPPER AQUIFER	C	O	A
WG41	AT-1D-1	CB	LPC3	B	-	A
WE41	AT-1D-2	CB	UPC2	B	-	A
WD41	AT-1D-3	CB	UPC1	B	-	A
WD14	14X-7-1	CB	UPC1	M	-	A
WD15	14X-7-2	CB	UPC1	B	-	A
WV07	21X-12	CB	COMPOSITE	S	-	A
WV08	22X-1	CB	COMPOSITE	S	-	A
WI19	22X-17	CB	UPC2 & LPC3	M	-	A
WI17	24X-17	CB	UPC2 & LPC3	M	-	A

Computer Code	Designation	Owner of Well	Formation	Levels	Frequency Water Quality	Measured By
WW22	31X-12	CB	UPC1	W	M1/S	A
WX32	32X-12	CB	UPC2	C	S1	A
WW32	32Y-12	CB	UPC1	M	Q1	A
WW13	41X-13	CB	UPC1	W	M1/S	A
WV09	43X-2	CB	COMPOSITE	S	-	A
WV10	TG-71-1	CB	COMPOSITE	Q	-	A
WX75	TH-5**	US	UPPER AQUIFER	Q	-	A
WX64	TH75-5A	US	"	Q	-	A
WY64	TH75-5B	US	LOWER	Q	-	A
WX69	TH75-9A	US	UPPER	Q	-	A
WY69	TH75-9B	US	LOWER	Q	-	A
WY68	TH75-10B	US	"	Q	-	A
WX65	TH75-13A	US	UPPER	Q	-	A
WY65	TH75-13B	US	LOWER	Q	-	A
WX67	TH75-18A	US	UPPER	Q	-	A
WY67	TH75-18B	US	LOWER	Q	-	A
WX72	TH75-15A	US	UPPER	Q	-	A
WY72	TH75-15B	US	LOWER	Q	-	A
WY66	EQUITY 1	EQUITY	"	Q	-	A
WY70	EQUITY SIA	EQUITY	"	Q	-	A
WV01	GREENO-404	SHELL	COMPOSITE	Q	-	A
WX71	CER RB-D-02	US	UPPER AQUIFER	Q	-	A
WY71	CER RB-D-03	US	LOWER	Q	-	A
WY75	TG-71-3	TOSCO	"	Q	-	A
WY78	TG-71-4	"	"	Q	-	A
WY76	TG-71-5	"	"	Q	-	A
WV02	OLDLAND 3	"	COMPOSITE	Q	-	A
WV03	GP-17X-BG	US	"	Q	-	A
WV04	BUTE 25	TOSCO	"	Q	-	A
WV05	LIBERTY	TOSCO	"	Q	-	A
	BELL 12					
WX73	UNION 8-1	UNION	UPPER AQUIFER	Q	-	A
WY77	GETTY 9-4D	GETTY	LOWER	Q	-	A
WY79	EQUITY BS-13	EQUITY	"	Q	-	A

**Colony TH-5 replaced Colony 12-596

B = Bimonthly
 M = Monthly
 S = Semiannual
 S/F = Semiannual field measurements
 C = Continuous
 Q = Quarterly
 A = Applicant
 M/D = Monthly if not diverted
 M1 = Monthly for field measurements + Fluoride
 Q1 = Quarterly for field measurements + Fluoride
 S1 = Semiannual but may be changed pending evaluation of hydrographs

Computer Code	Station Number	Stream Flow Description	-----Frequency-----		Measured By
			Discharge	Water Quality	
WU07 (M)	09306007	Piceance Creek Below Rio Blanco	C	P	F
WU22	09306022	Stewart Gulch Above West Fork	C	P	F
WU36	09306036	Sorghum Gulch at Mouth	C	P	F
WU39	09306039	Cottonwood Gulch	C	P	F
WU42 (M)	09306042	Tributary of Piceance Creek (Little Gardenhire Gulch)	C	P	F
WU52	09306052	Standard Gulch at Mouth	C	P	F
WU58	09306058	Willow Creek	C	P	F
WU61 (M)	09306061	Piceance Creek above Hunter Creek	C	P	F

(M) = Major Site

Computer Code	Designation	-----Frequency-----		Measured By
		Discharge	Water Quality	
WS01	CB S-1	M/D	M/D	A
WS02	CB S-2	M	M	A
WS03	CB S-3	M/D	M/D	A
WS04	CB S-4	M	M	A
WS06	CB S-6	M	M	A
WS66	CB S-6A	M	M	A
WS07	CB S-7	M	M	A
WS08	CB S-8	M	M	A
WS09	CB S-9	M/D	M/D	A
WS10	CB S-10	M/D	M/D	A
WS11	CB SEEP A	M/D	M/D	A
WS12	CB S-102	M	M	A
WS21	CER-1	Q	-	WRD
WS22	B-3	Q	-	WRD
WS24	F-3	Q	-	WRD
WS26	W-4	Q	-	WRD
WS28	CER-7	Q	-	WRD
WS30	P3 & P3A	Q	-	WRD
WS31	CER-6	Q	-	WRD
WS33	S-2	Q	-	WRD
WS34	W-3	Q	-	WRD

Precipitation

Computer Code	Designation	Name of Station	Frequency	Measured By
AB23	023	CB Station 023	C	A
AD28	028	Lysimeter site at Shale Pile	C	A

B = Bimonthly
 M = Monthly
 S = Semiannual
 S/F = Semiannual field measurements
 C = Continuous
 Q = Quarterly
 A = Applicant
 M/D = Monthly if not diverted.
 F = USGS
 P = Periodically measured
 WRD = Water Resources Division of the USGS

TABLE 2.2-2
Deep Well Index

Aquifer or Zone	General Location	Computer Code	Well Designation	Levels Data on Page	Levels Plot on Page	Water Quality Data on Page
Uinta	Close-In	WC17	SG-17-4	1-192	1-34	No Data
		WC91	SG-9-4	1-192	1-31	No Data
Upper	Close-In	WX38	AT-1A-1	No Data	1-21	1-767
		WX44	AT-1C-3	1-103	1-22	1-462, 1-767
	Remote	WX64	TH75-5A	1-104	1-119	No Data
		WX65	TH75-13A	1-104	1-120	No Data
		WX67	TH75-18A	1-104	1-121	No Data
		WX69	TH75-9A	1-104	1-122	No Data
		WX71	CER RB-D-02	1-104	1-123	No Data
		WX72	TH75-15A	1-104	1-124	No Data
		WX73	UNION 8-1	1-104	1-125	No Data
		WX75	TH-5	No Data	1-126	No Data
	Close-In	WY44	AT-1	1-129	1-23	No Data
		WY45	AT-1C-1	1-129	1-22	1-552, 1-809
		WY46	AT-1C-2	1-129	1-22	1-810
		WY81	SG-8R	1-129	1-30	1-552, 1-811
	Remote	WY64	TH75-5B	1-130	1-140	No Data
		WY65	TH75-13B	1-130	1-141	No Data
		WY66	EQUITY 1	No Data	1-142	No Data
		WY67	TH75-18B	1-130	1-143	No Data
		WY68	TH75-10B	1-130	1-144	No Data
		WY69	TH75-9B	1-130	1-145	No Data
		WY70	EQUITY SIA	1-130	1-146	No Data
		WY71	CER RB-D-03	1-130	1-147	No Data
		WY72	TH75-15B	1-130	1-148	No Data
		WY75	TG-71-3	1-130	1-149	No Data
		WY76	TG-71-5	1-130	1-150	No Data
		WY77	GETTY 9-40	1-130	1-151	No Data
		WY78	TG-71-4	1-130	1-152	No Data
		WY79	EQUITY BS-13	1-130	1-153	No Data
Compos- ite	Close-In	WV07	21X12	No Data	No Data	No Data
		WV08	22X-1	No Data	No Data	No Data
		WV09	43X-2	No Data	No Data	No Data
		WV10	TG-71-1	1-193	1-21	No Data
		WV37	AT-1A	1-193	1-21	No Data
	Remote	WV01	GREENO 404	1-193	1-194	No Data
		WV02	OLDLAND 3	1-193	No Data	No Data
		WV03	GP-17X-BG	1-193	No Data	No Data
		WV04	BUTE 25	1-193	No Data	No Data
		WV05	LIBERTY BELL 12	1-193	1-195	No Data
		WV06	TOSCO WELL	No Data	No Data	No Data
		WV40	AT-1B	No Data	1-21	No Data
	UPC1	WD02	CB-2	1-105	1-25	1-793
		WD11	SG-1A-2	1-105	1-27	1-793
		WD12	SG-1-2	1-105	1-28	1-466, 1-793
		WD14	14X-7-1	1-105	1-38	1-793
		WD15	14X-7-2	1-105	1-38	No Data
		WD17	SG-17-3	1-105	1-34	1-793
		WD18	SG-18A-3	1-105	1-35	1-793
		WD19	SG-19	1-105	1-25	No Data
		WD20	SG-20-3	1-106	1-36	1-466, 1-793
		WD21	SG-21-4	1-106	1-37	1-793
		WD41	AT-1D-3	1-106	1-23	1-793
		WD51	SG-10A-A	1-106	1-32	No Data
		WD52	SG-11-3	1-106	1-33	1-793
		WD57	SG-17-A	1-106	1-26	1-466, 1-793
		WD61	SG-6-3	1-106	1-29	1-793
		WD90	SG-10	1-106	1-26	1-466, 1-793
		WD91	SG-9-3	1-106	1-31	1-793

TABLE 2.2-2 (Contd)

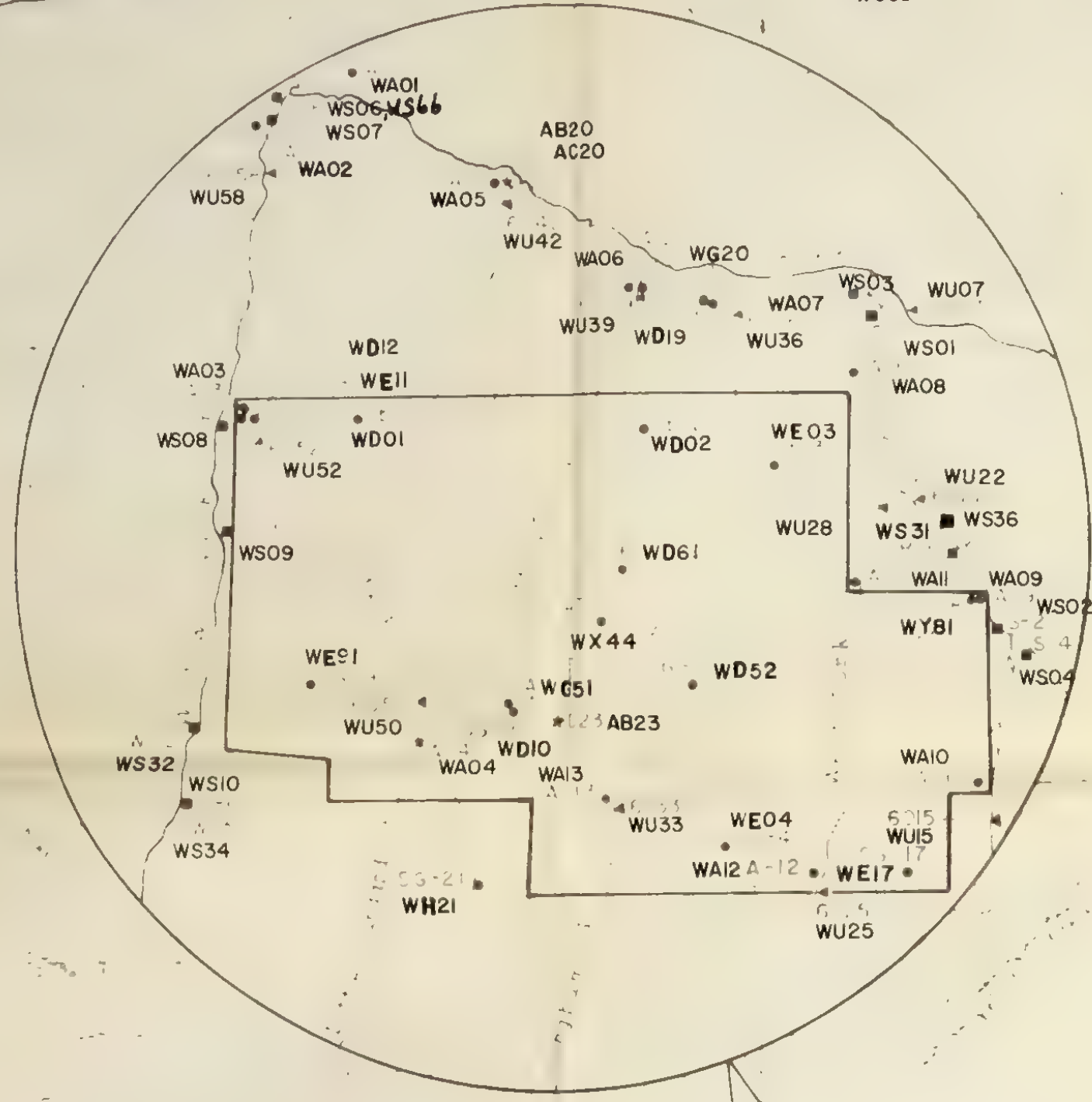
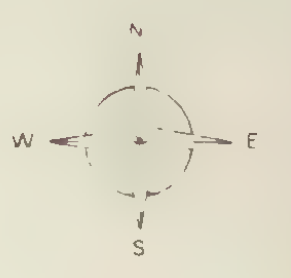
Deep Well Index

Aquifer or Zone	General Location	Computer Code	Well Designation	Levels Data on Page	Levels Plot on Page	Water Quality Data on Page
	Close-In (Seepage)	WW13	41X-13	1-163	1-26	1-617, 1-841
		WW22	31X-12	1-163	1-26	1-617, 1-842
		WW32	32Y-12	1-163	No Data	1-617, 1-842
UPC2	Close-In	WE03	Cb-3	1-107	1-25	No Data
		WE04	Cb-4	1-107	1-26	1-801
		WE11	SG-1A-1	1-107	1-27	No Data
		WE17	SG-17-2	1-107	1-34	1-801
		WE18	SG-18-2	1-107	1-35	1-801
		WE20	SG-20-2	1-107	1-36	1-470, 1-801
		WE21	SG-21-3	1-107	1-37	1-801
		WE41	AT-1D-2	1-107	1-23	No Data
		WE51	SG-10A-2	1-107	1-32	1-801
		WE52	SG-11-2	1-107	1-33	1-801
		WE61	SG-6-1	1-107	1-29	1-801
		WE91	SG-9-2	1-107	1-31	No Data
		WX32	32X-12	1-103	No Data	1-462, 1-766
	Close-In (Injection)	WI17	24X-17	1-160	1-161	1-862
		WI18	11X18	No Data	No Data	1-862
		WI19	22X17	1-160	1-162	1-862
LPC3	Close-In	WG12	SG-1-1	1-131	1-28	1-556, 1-833
		WG17	SG-17-1	1-131	1-34	1-833
		WG18	SG-18A-1	1-131	1-35	1-833
		WG20	SG-20-1	1-131	No Data	1-556, 1-833
		WG21	SG-21-2	1-131	1-37	1-833
		WG41	AT-1D-1	1-131	1-23	1-833
		WG51	SG-10A-1	1-131	1-32	1-833
		WG52	SG-11-1	1-131	1-33	1-833
		WG61	SG-6-2	1-131	1-29	1-833
		WG91	SG-9-1	1-131	1-31	1-833
LPC4	Close-In	WH21	SG-21-1	1-131	1-37	1-833

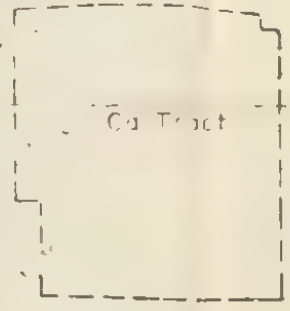
WR06 ★
East Fork
Parachute Creek
(PC)

I-15

R 100 W R 99 W R 98 W R 97 W R 96 W R 95 W



Corral Guich Cont
CG1 WR04



WY79

WS22

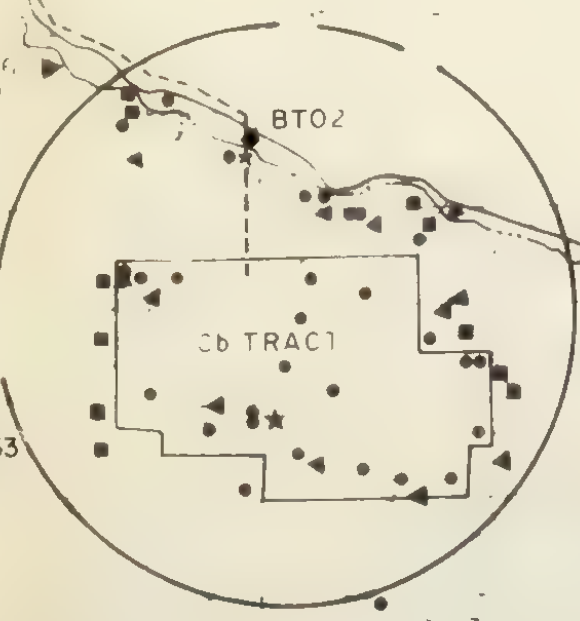
CER RB 1
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CER RB 97
CER RB 98
CER RB 99
CER RB 100

WS24

WX72
TH75-15A
TH75-15B
WY72

WS26

SG-18A
WD18
WE18
WG18



WV02

WS30

WV03

R 94 W

Meeker
Meeker 2 (M)

SHAND

BT01

2.2.1 Levels and Flows

This section presents hydrologic flows of surface streams, springs and seeps, and water levels in alluvial, bedrock wells and impoundments. Data for monitoring stations required by IMP, WAP, and NPDES documents are identified within each subsection.

Time series plots of bedrock wells monitored during this report period (June 1982 - December 1982) are presented first in this section. These plots display a history of well waters affected by mine water reinjection, discharge and seasonal changes during November 1980 through December 1982 of well strings grouped by well location. Table 2.2.1-1 lists deep well names with corresponding page number for the following level plots in this section. The reader should refer to Section 2.2.1.6, Figure 2.2.1.6-1 for the timing and amount of waters reinjected. ReInjection started in March 1981 and continued through June 1982.

Tabulated data then follow in the respective subsections.

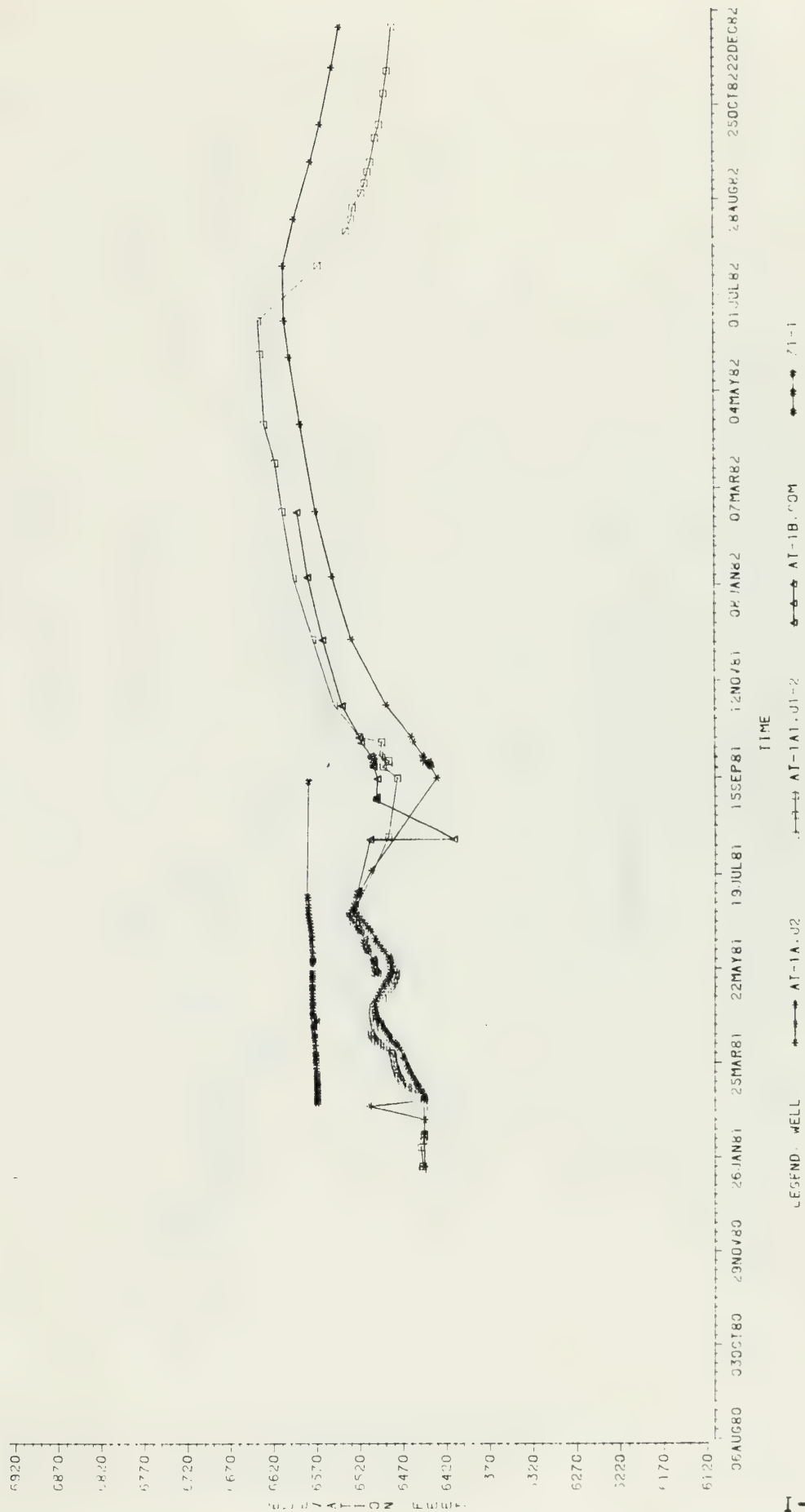
TABLE 2.2.1-1
LIST OF DEEP WELL LEVELS TIME SERIES PLOTS

<u>Well</u>	<u>Computer Code</u>	<u>Page No.</u>
AT-1A	WV37	I-21
AT-1A-1	WX38	I-21
AT-1B	WV40	I-21
71-1	C201	I-21
AT-1C-1	WY45	I-22
AT-1C-2	WY46	I-22
AT-1C-3	WX44	I-22
AT-1	WY44	I-23
AT-1D-1	WG41	I-23
AT-1D-2	WE41	I-23
AT-1D-3	WD41	I-23
CB-1	WD01	I-24
32X-12	WX32	I-24
CB-2	WD02	I-25
CB-3	WE03	I-25
SG-19	WD19	I-25
CB-4	WE04	I-26
SG-10	WD90	I-26
SG-17A	WD57	I-26
31X12	WW22	I-26
41X13	WW13	I-26
SG-1A-1	WE11	I-27
SG-1A-2	WD11	I-27
SG-1-1	WG12	I-28
SG-1-2	WD12	I-28
SG-6-1	WE61	I-29
SG-6-2	WG61	I-29
SG-6-3	WD61	I-29
SG-8	WY81	I-30
SG-9-1	WG91	I-31
SG-9-2	WE91	I-31
SG-9-3	WD91	I-31
SG-9-4	WC91	I-31
SG-10A-Annulas	WD51	I-32
SG-10A-1	WG51	I-32
SG-10A-2	WE51	I-32
SG-11-1	WG52	I-33
SG-11-2	WE52	I-33
SG-11-3	WD52	I-33

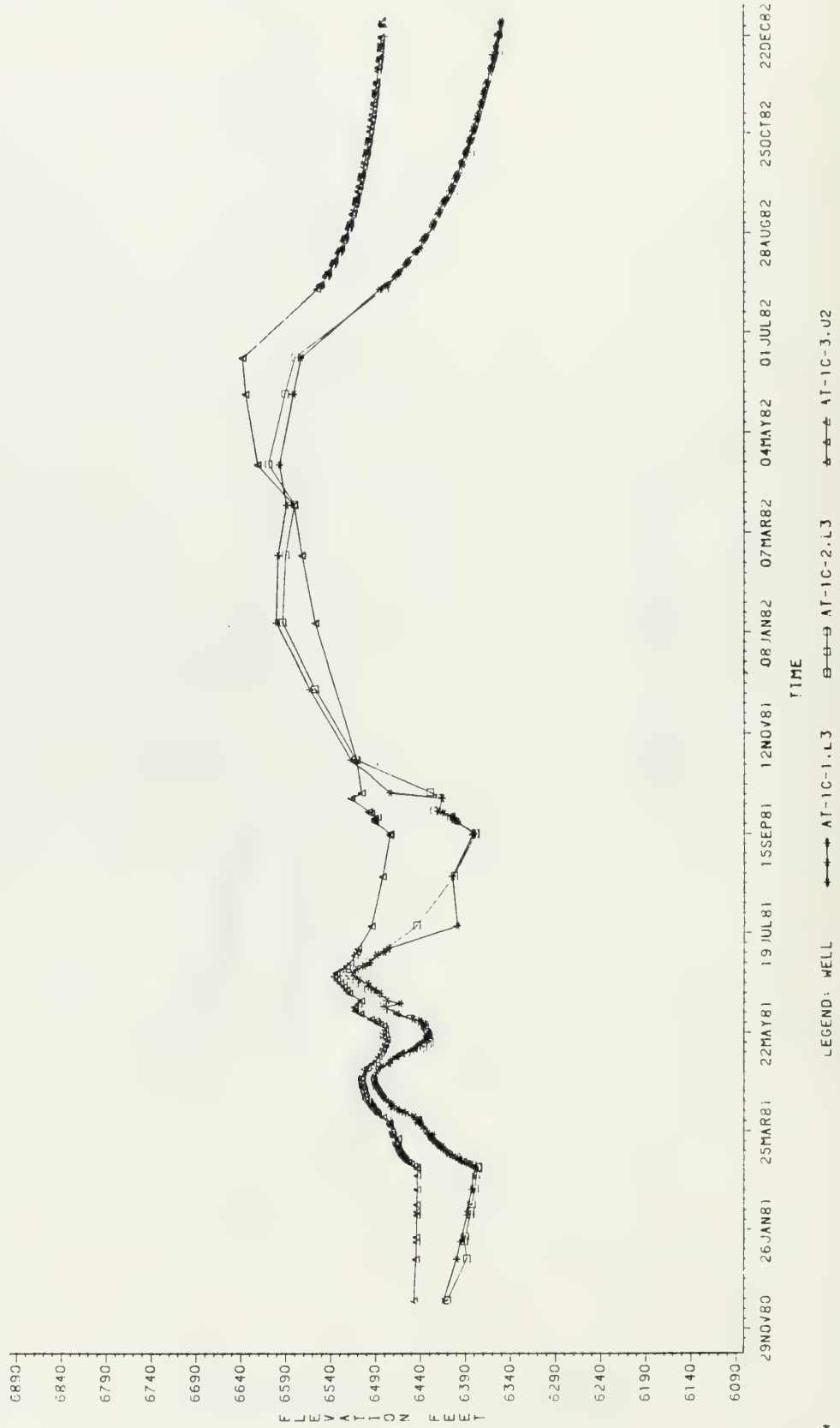
TABLE 2.2.1-1 (Contd)
LIST OF DEEP WELL LEVELS TIME SERIES PLOTS

<u>Well</u>	<u>Computer Code</u>	<u>Page No.</u>
SG-17-1	WE17	I-34
SG-17-2	WG17	I-34
SG-17-3	WD17	I-34
SG-17-4	WC17	I-34
SG-18A-1	WG18	I-35
SG-18A-2	WE18	I-35
SG-18A-3	WD18	I-35
SG-20-2	WE20	I-36
SG-20-3	WD20	I-36
SG-21-1	WH21	I-37
SG-21-2	WG21	I-37
SG-21-3	WE21	I-37
SG-21-4	WD21	I-37
14X-7-1	WD14	I-38
14X-7-2	WD15	I-38

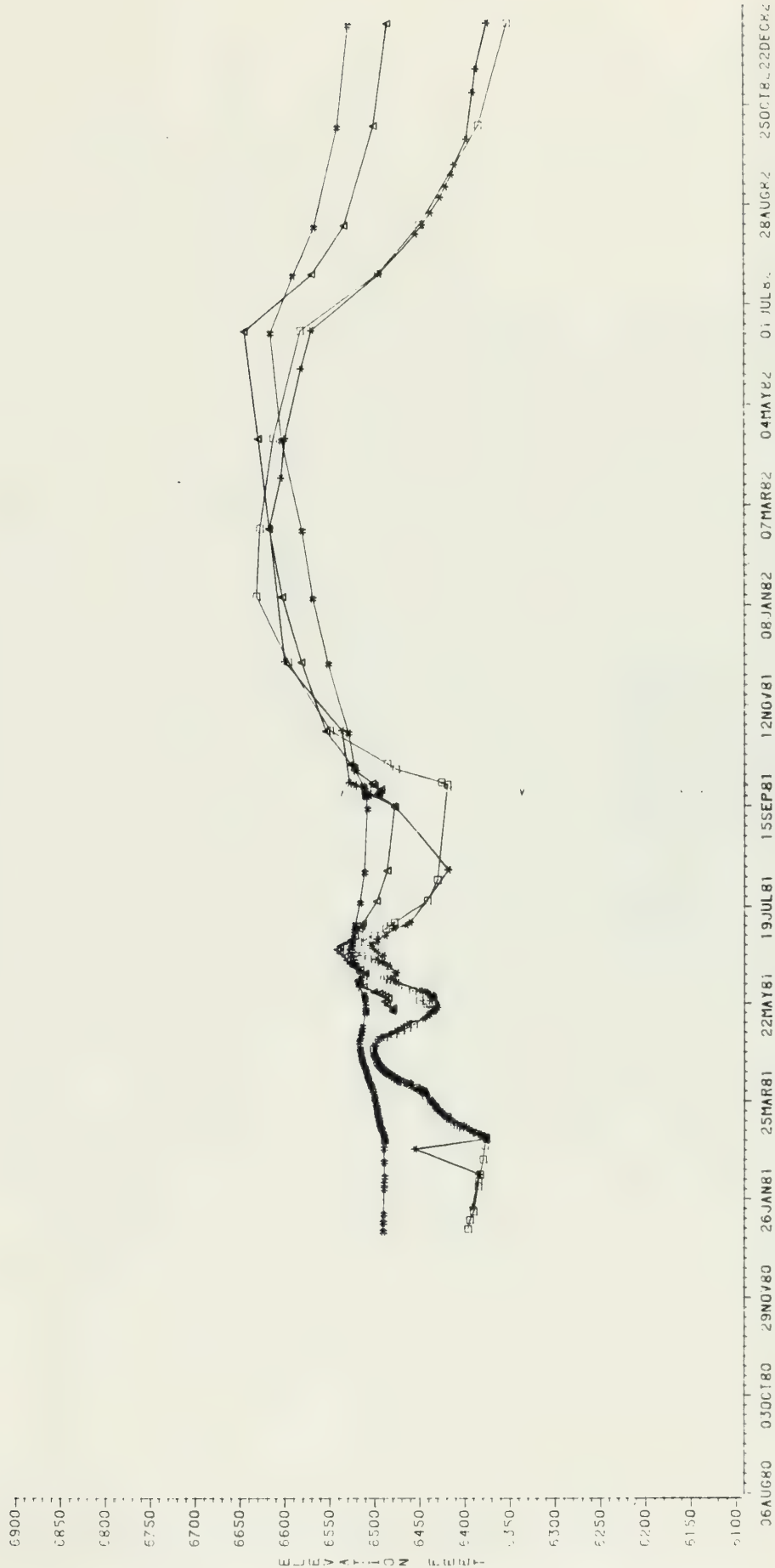
CB WELL LEVELS DATA



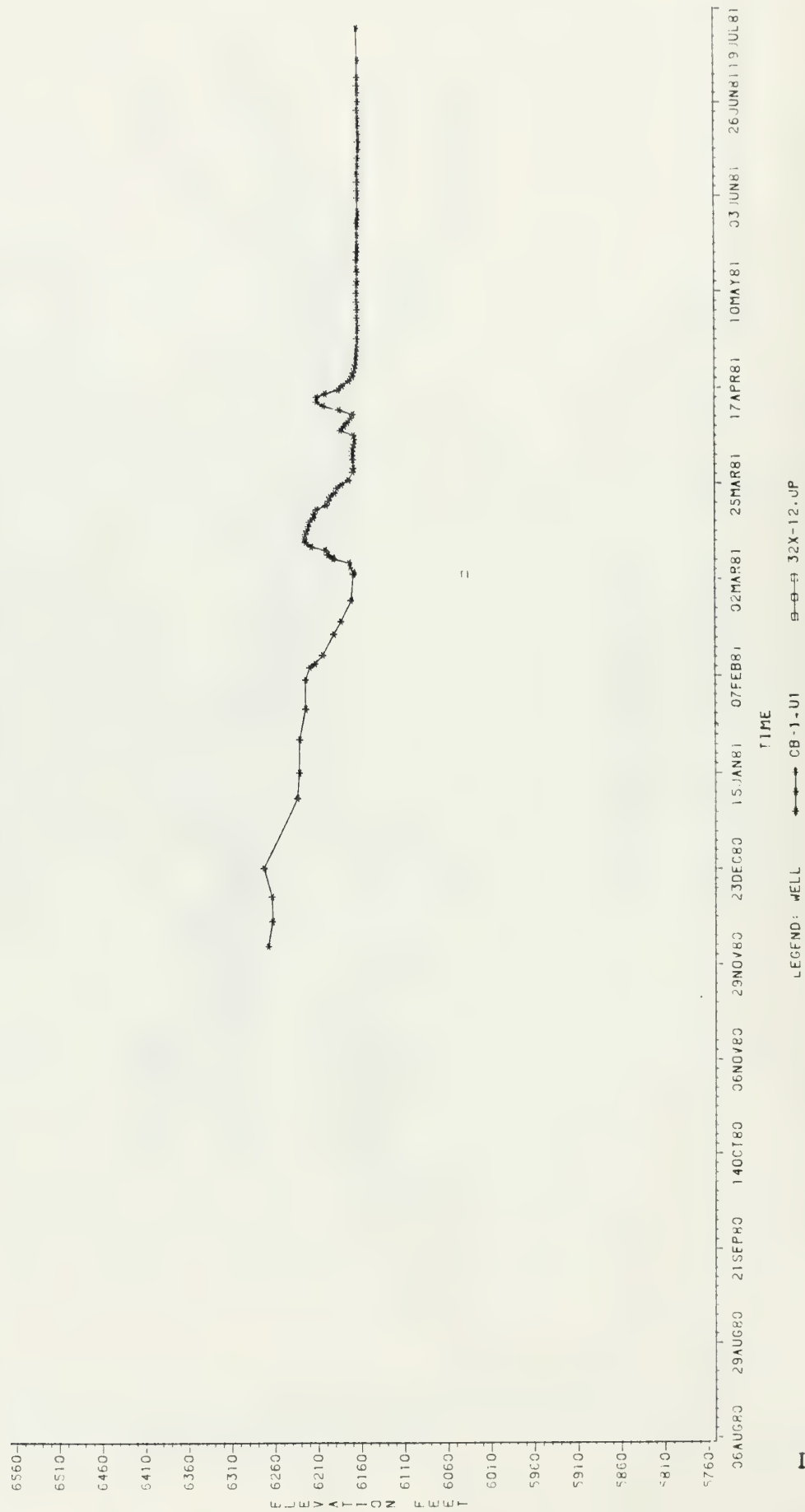
CB WELL LEVELS DATA



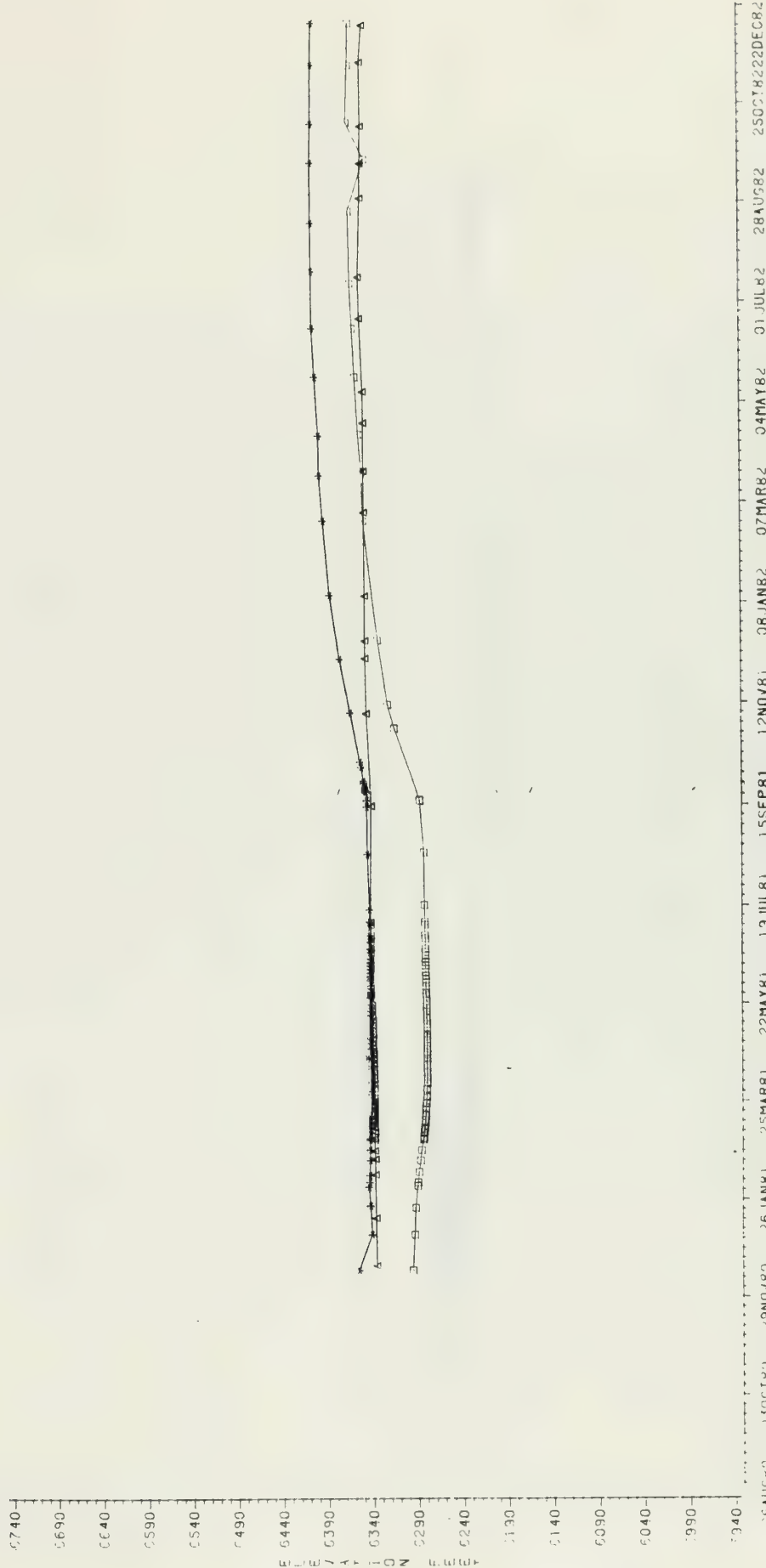
CB WELL LEVELS DATA



CB WELL LEVELS DATA

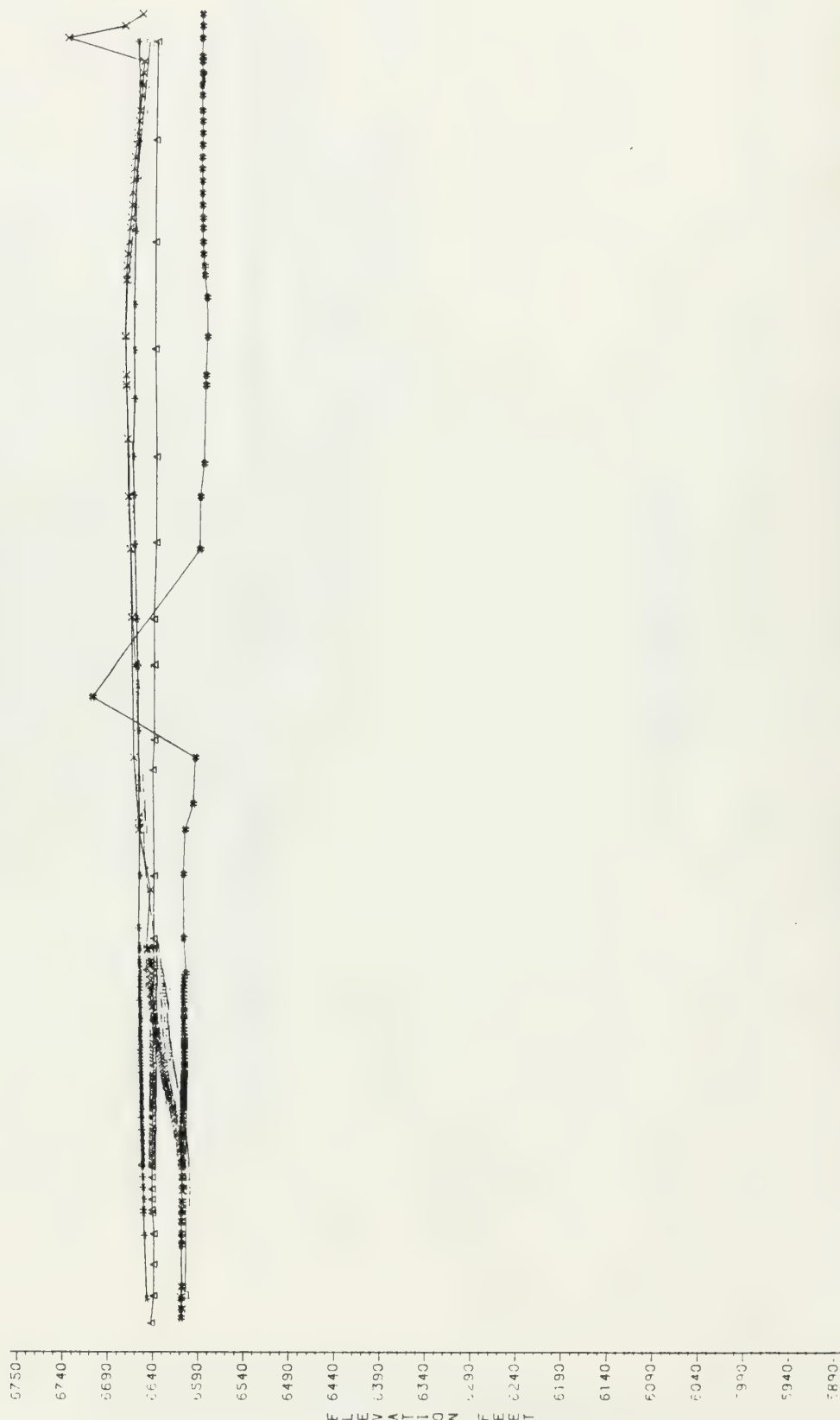


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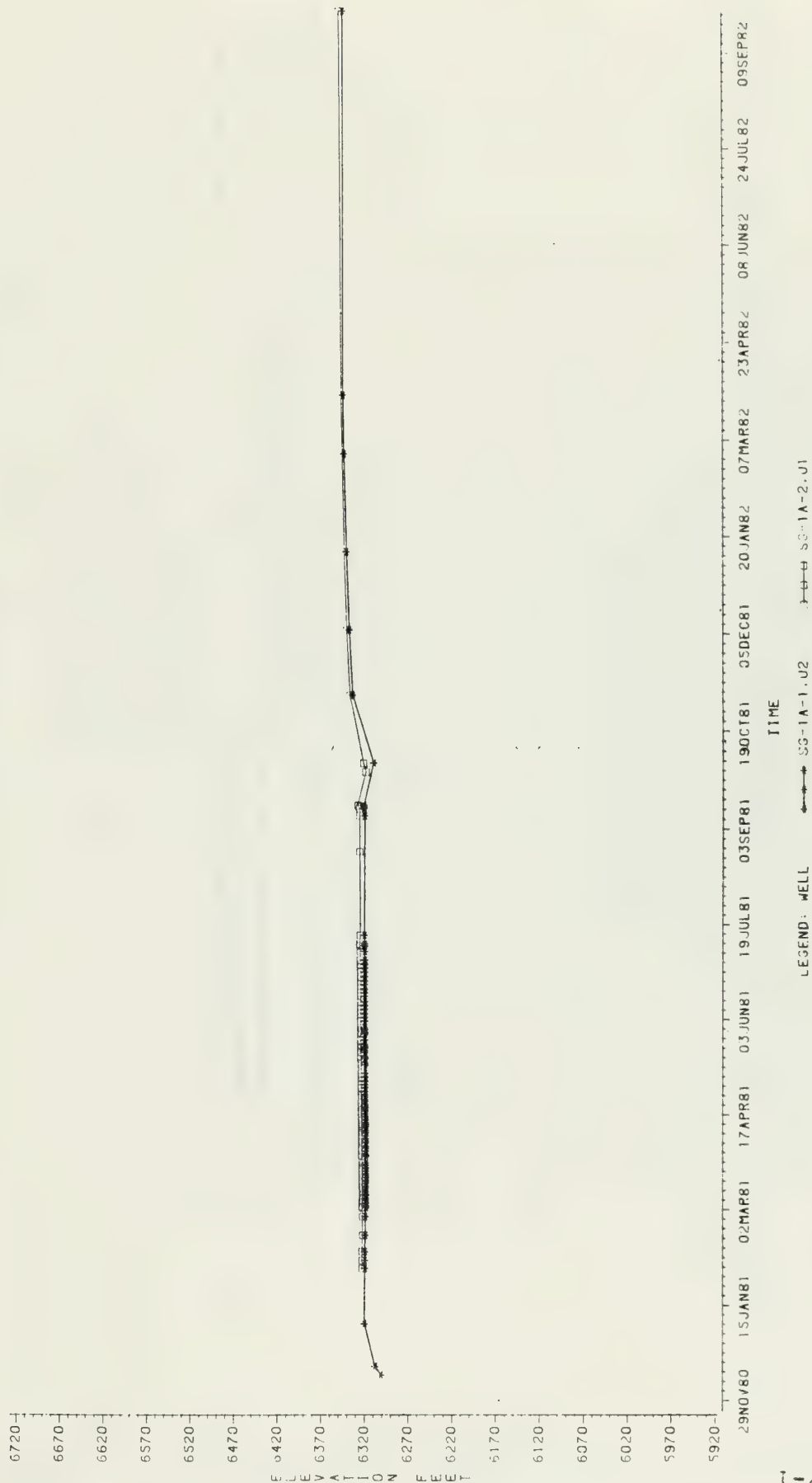
LEGEND: WELL

CB WELL LEVELS DATA

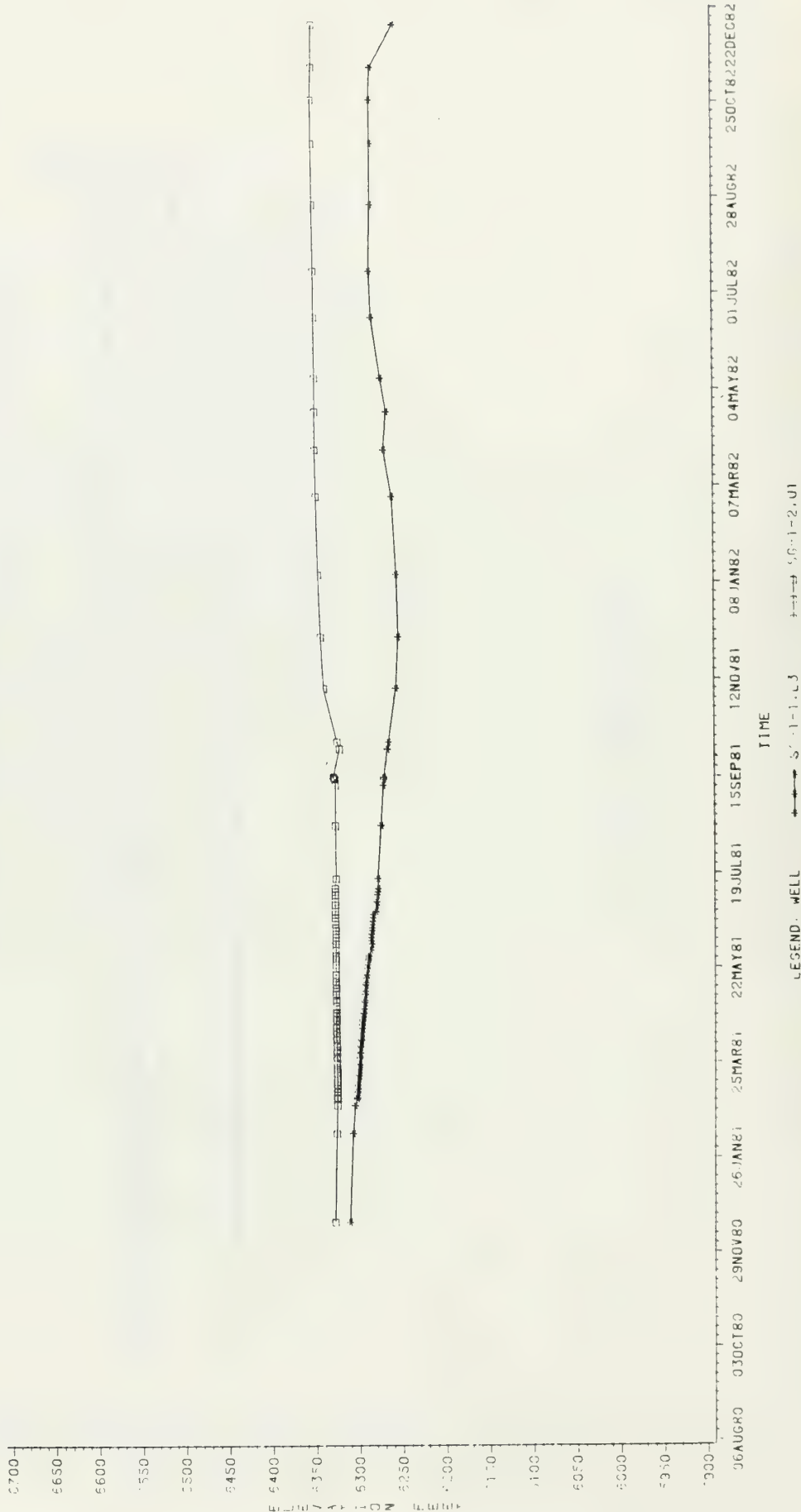


LEGEND: WELL 28 4.02 31X-12.01 31X-17A.01 41X-13

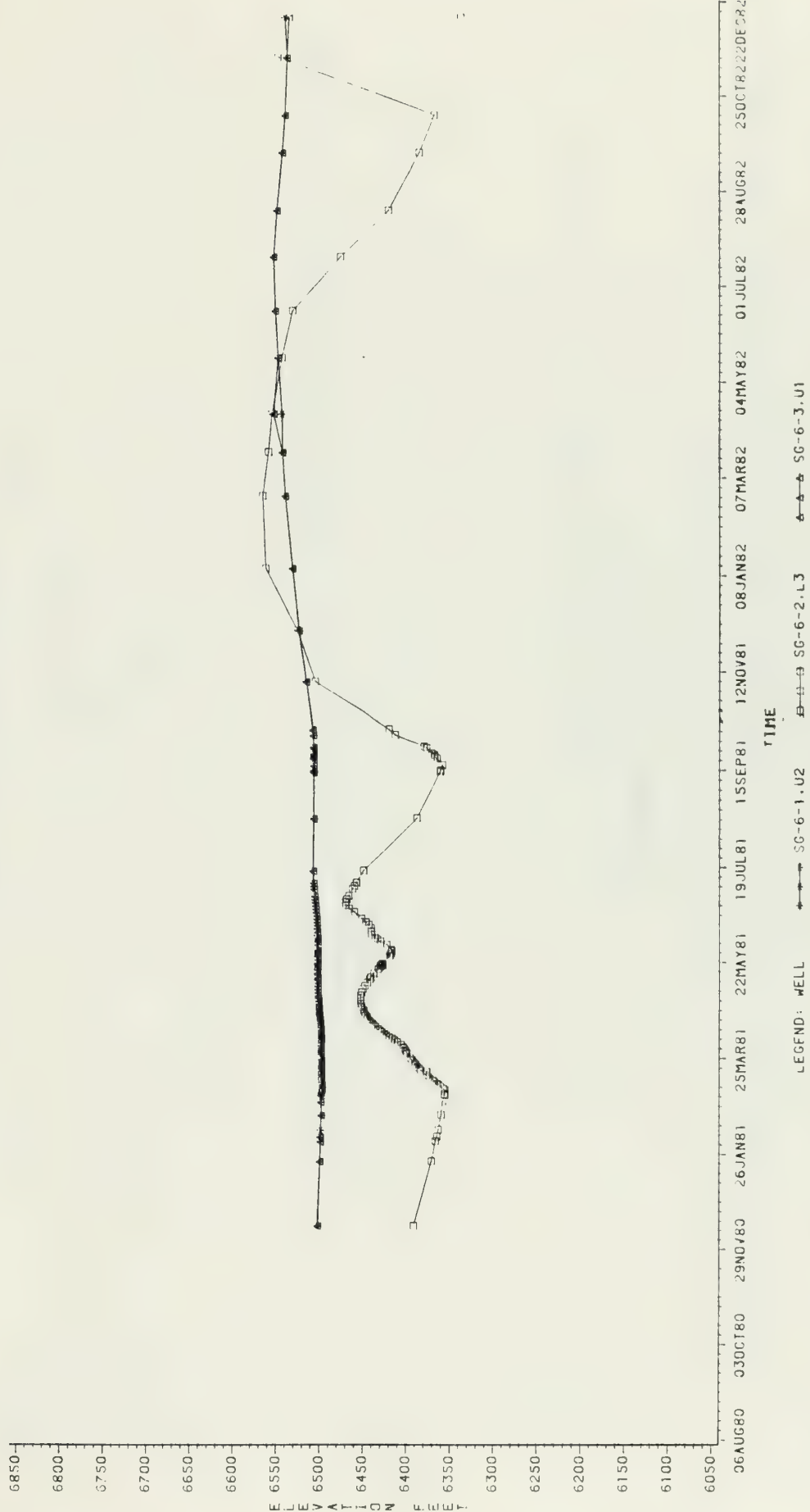
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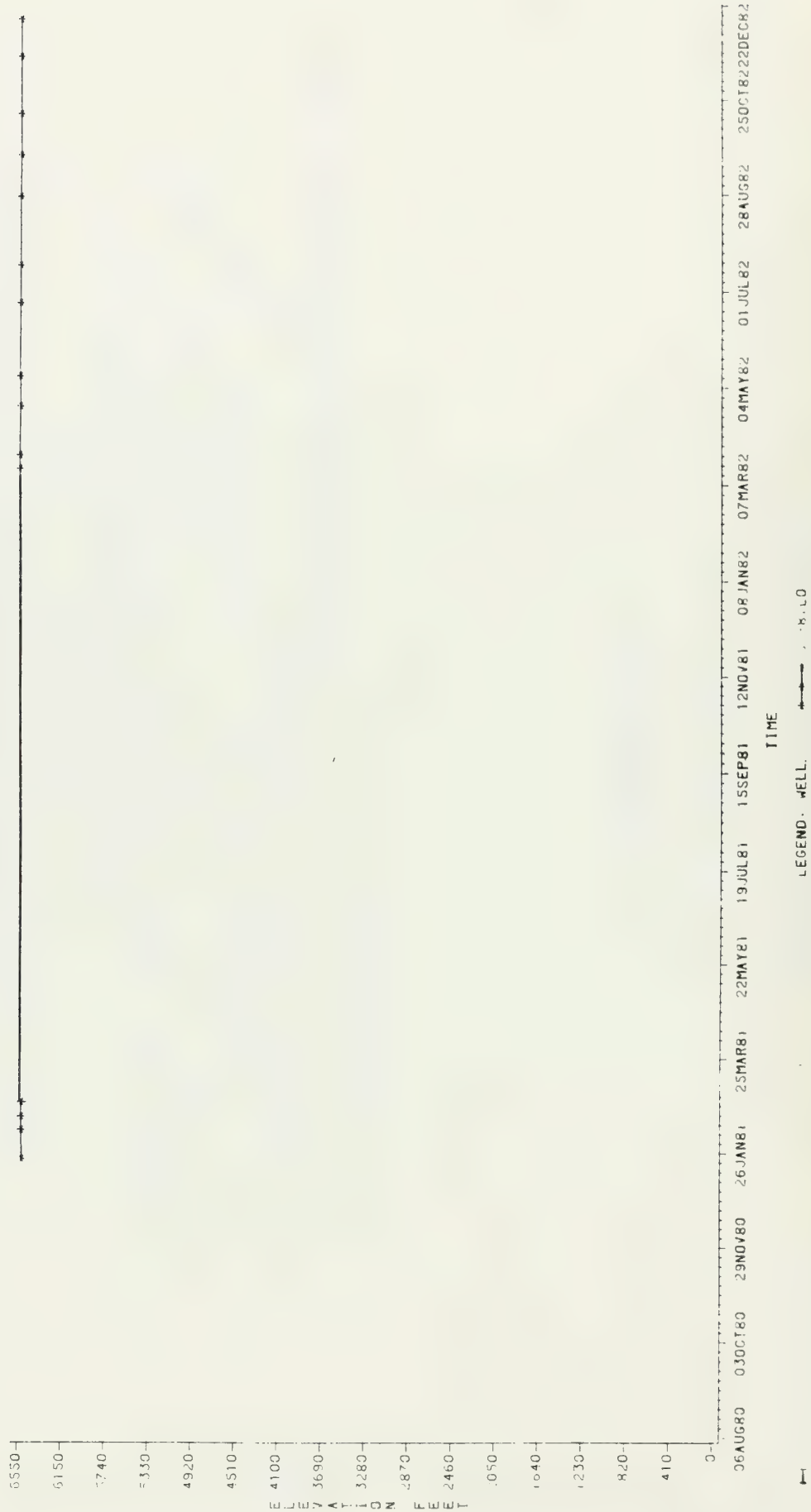
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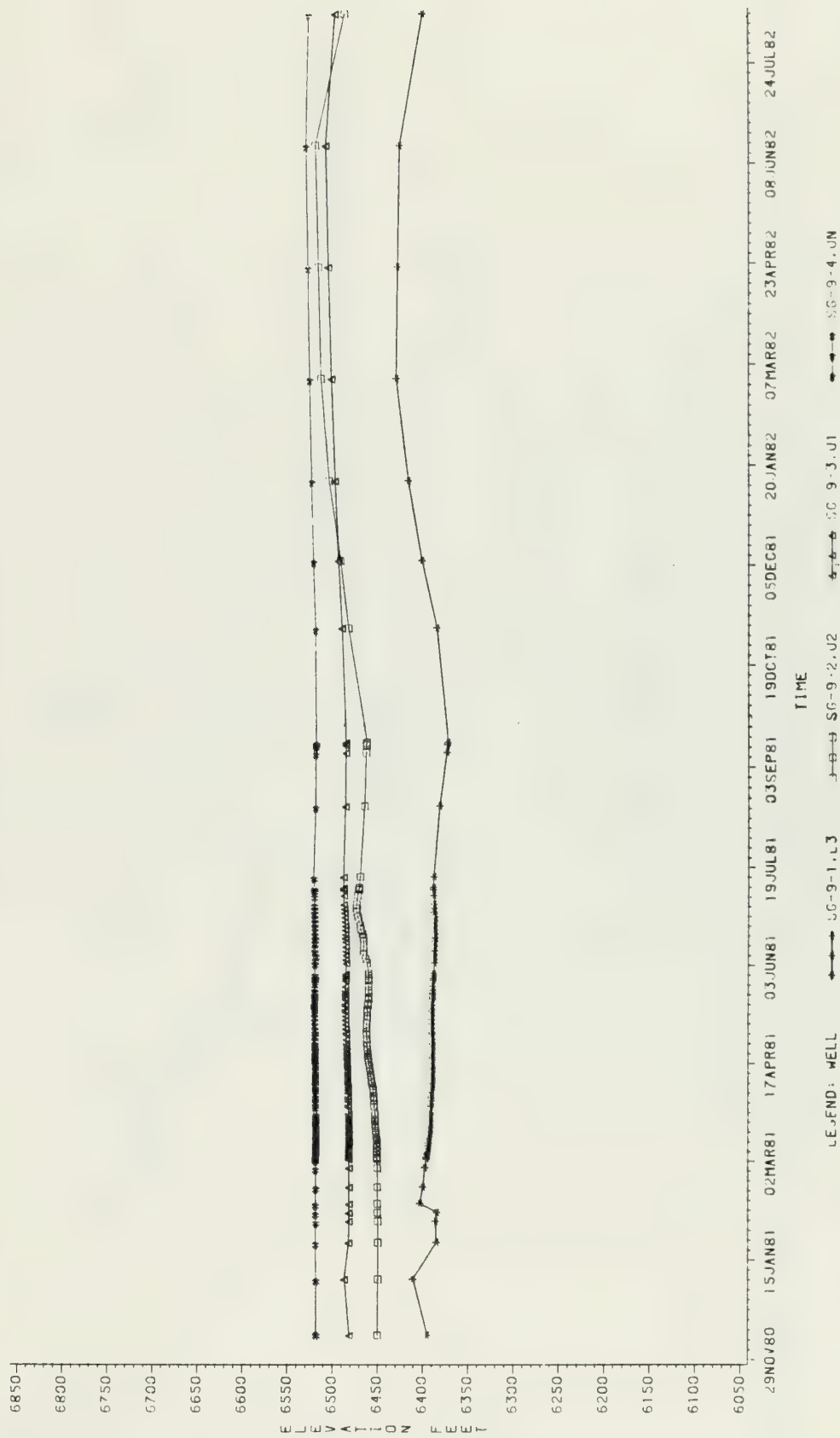
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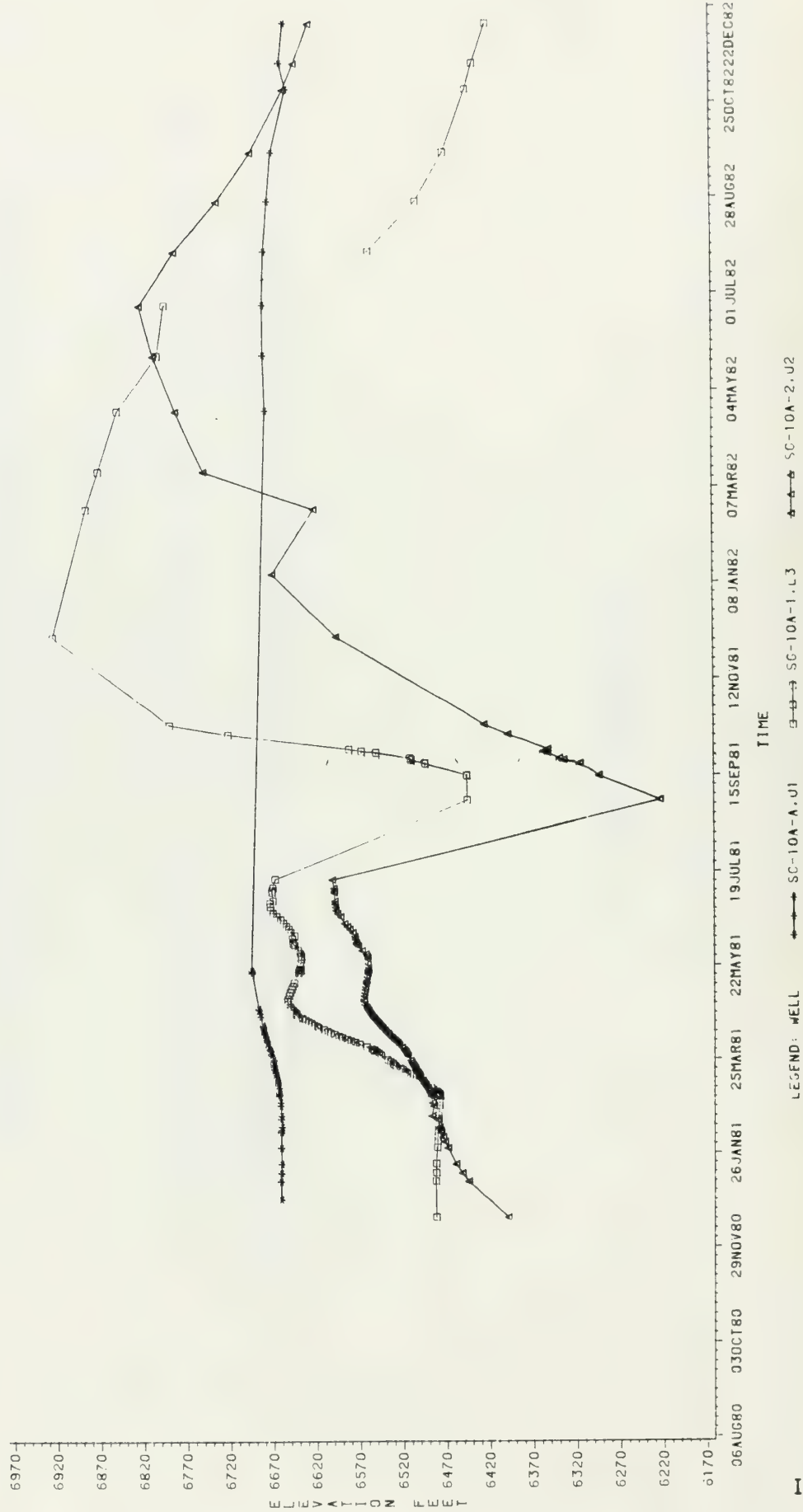
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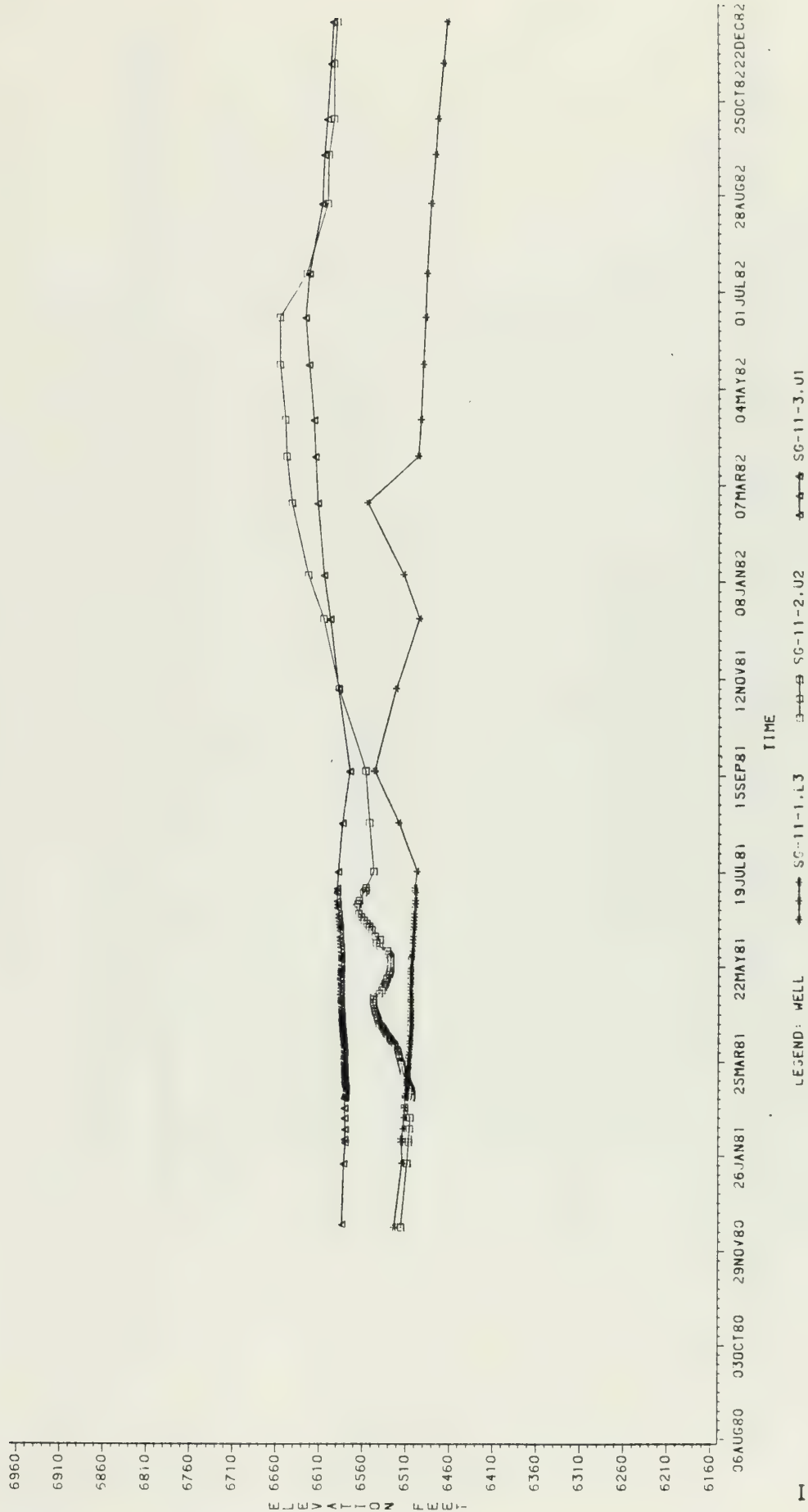
CB WELL LEVELS DATA



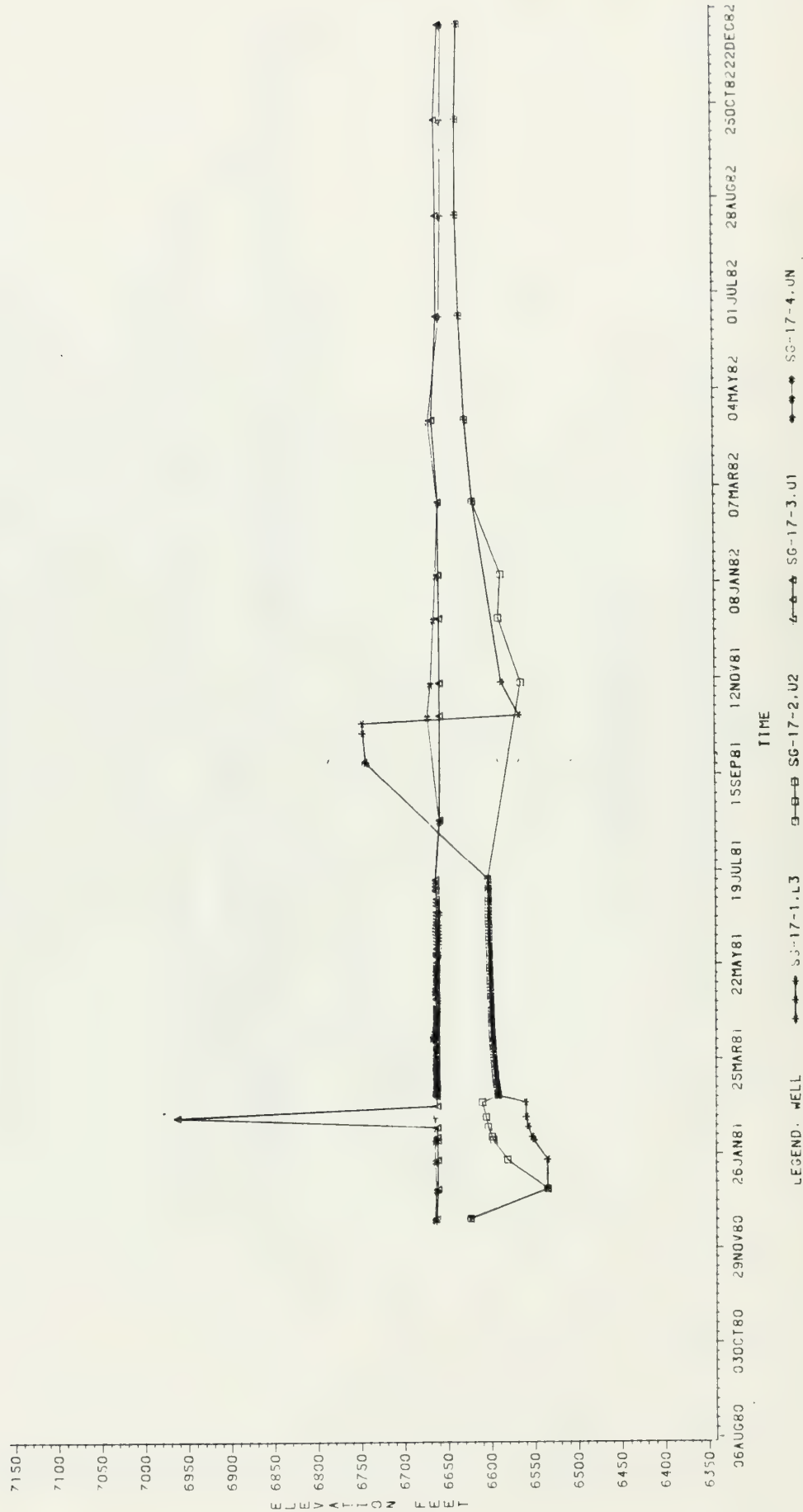
CB WELL LEVELS DATA



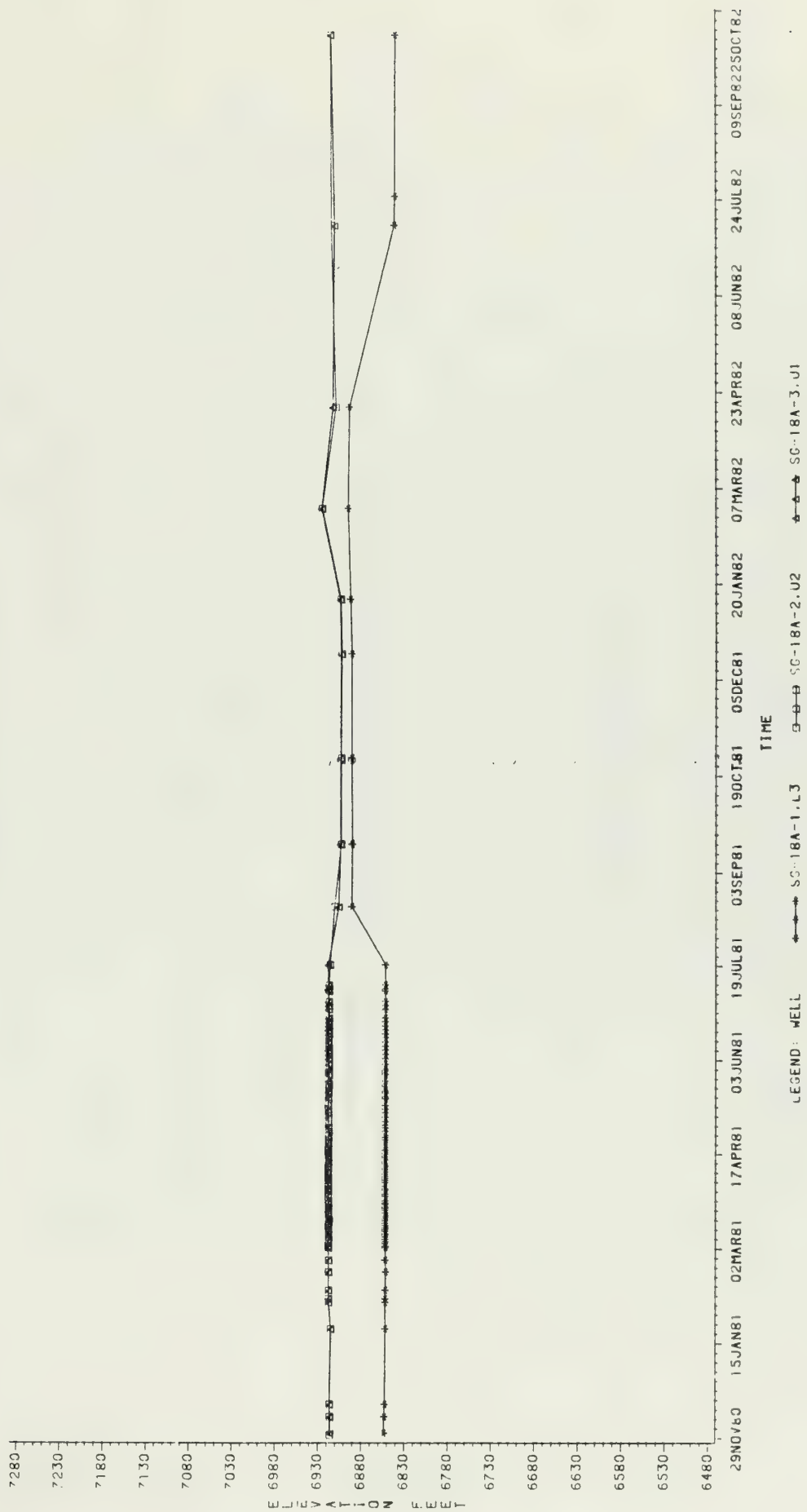
CB WELL LEVELS DATA



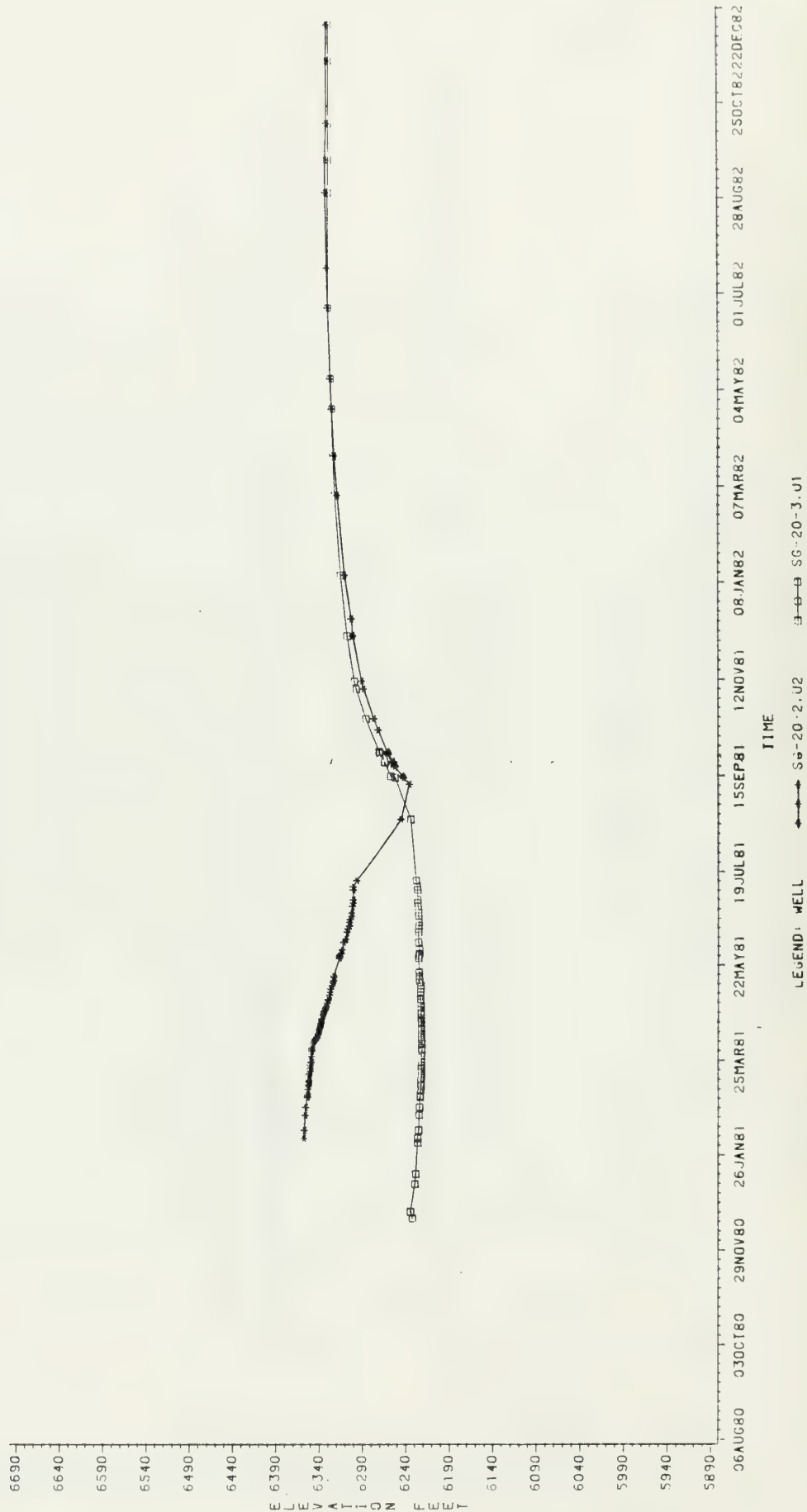
CB WELL LEVELS DATA



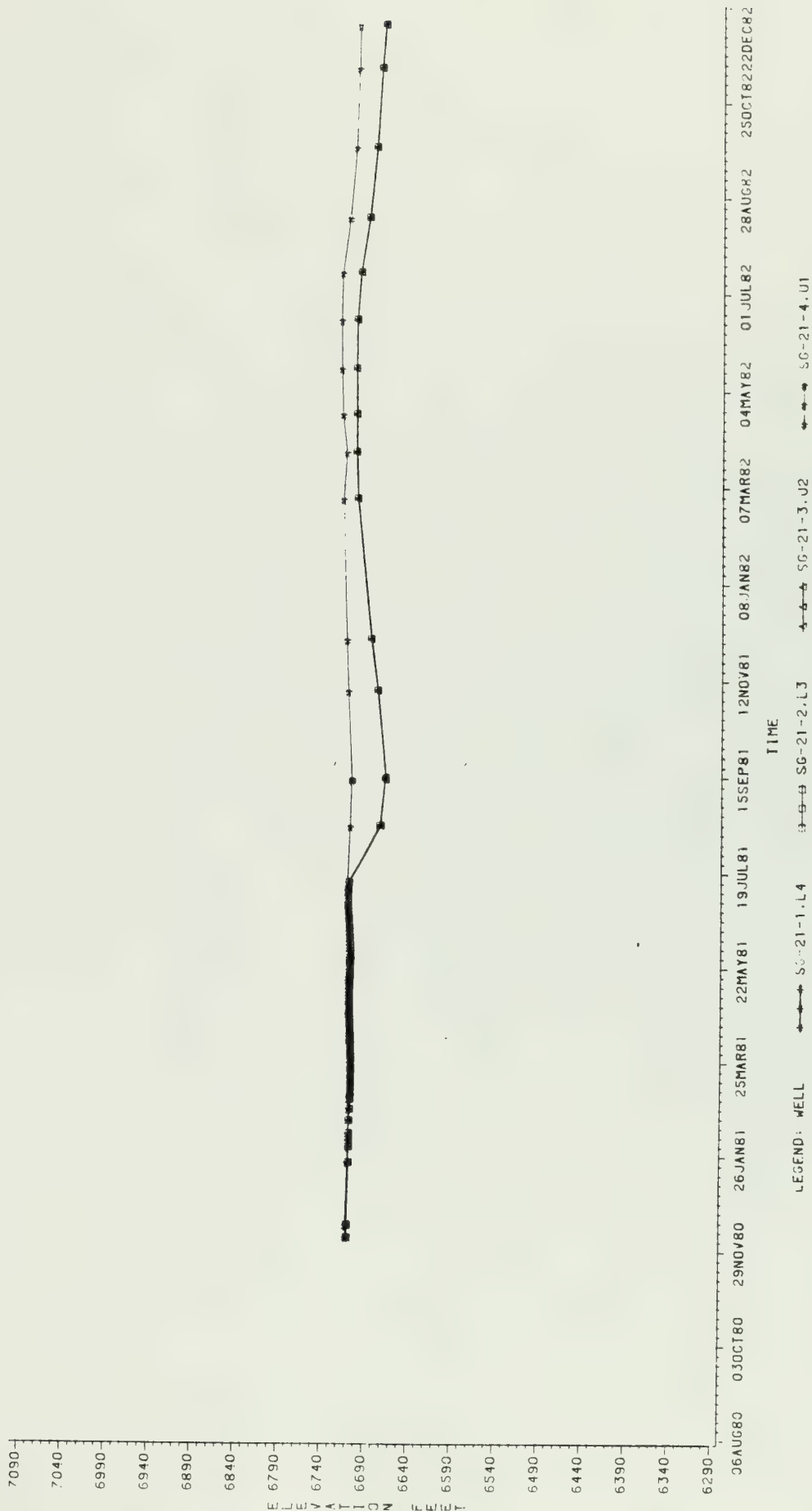
CB WELL LEVELS DATA



CB WELL LEVELS DATA



CB WELL LEVELS DATA



LEGEND: WELL

TIME

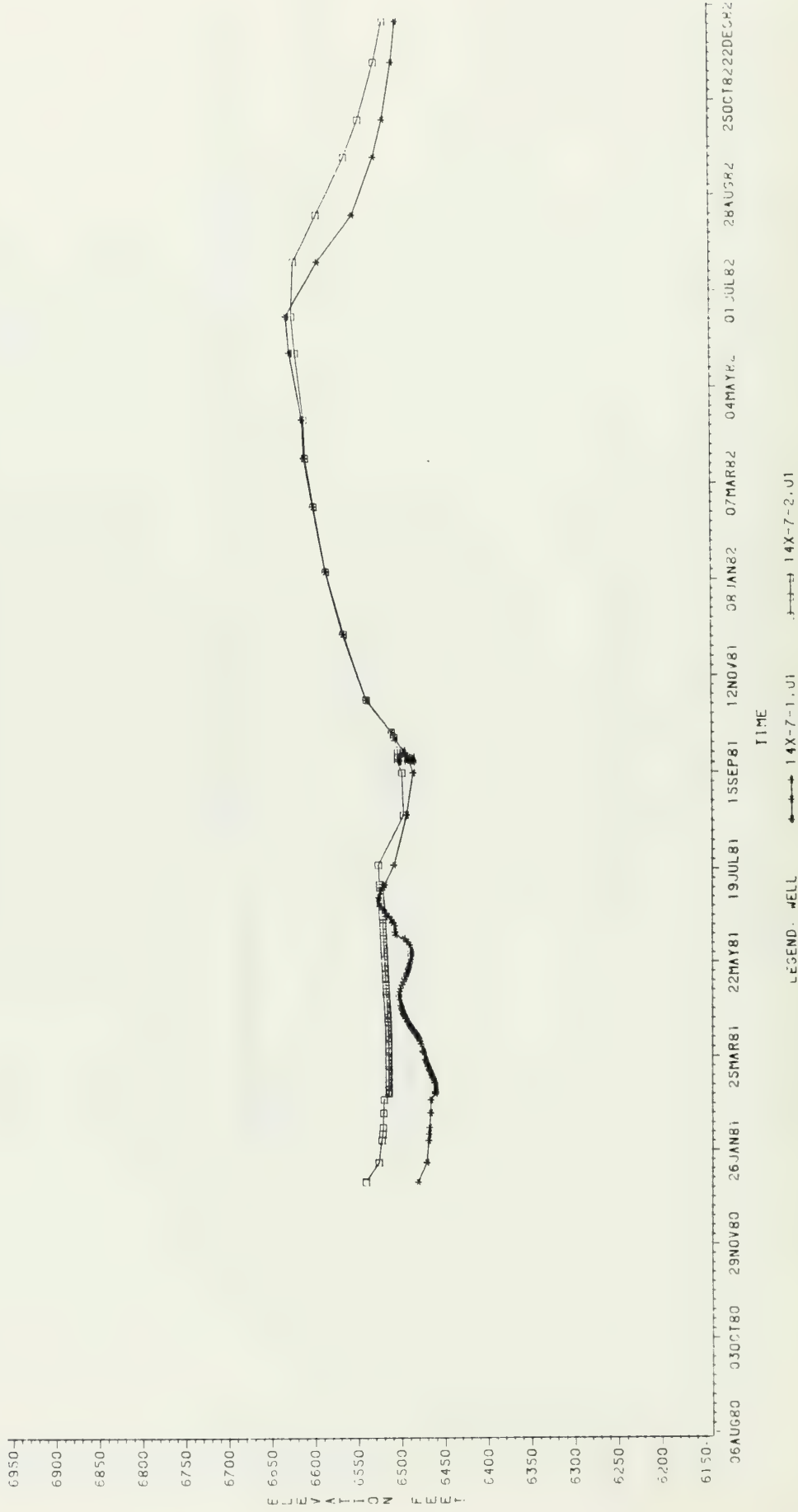
SG-21-4.01

SG-21-3.02

SG-21-2.13

SG-21-1.14

CB WELL LEVELS DATA



2.2.1.1 Surface Streams

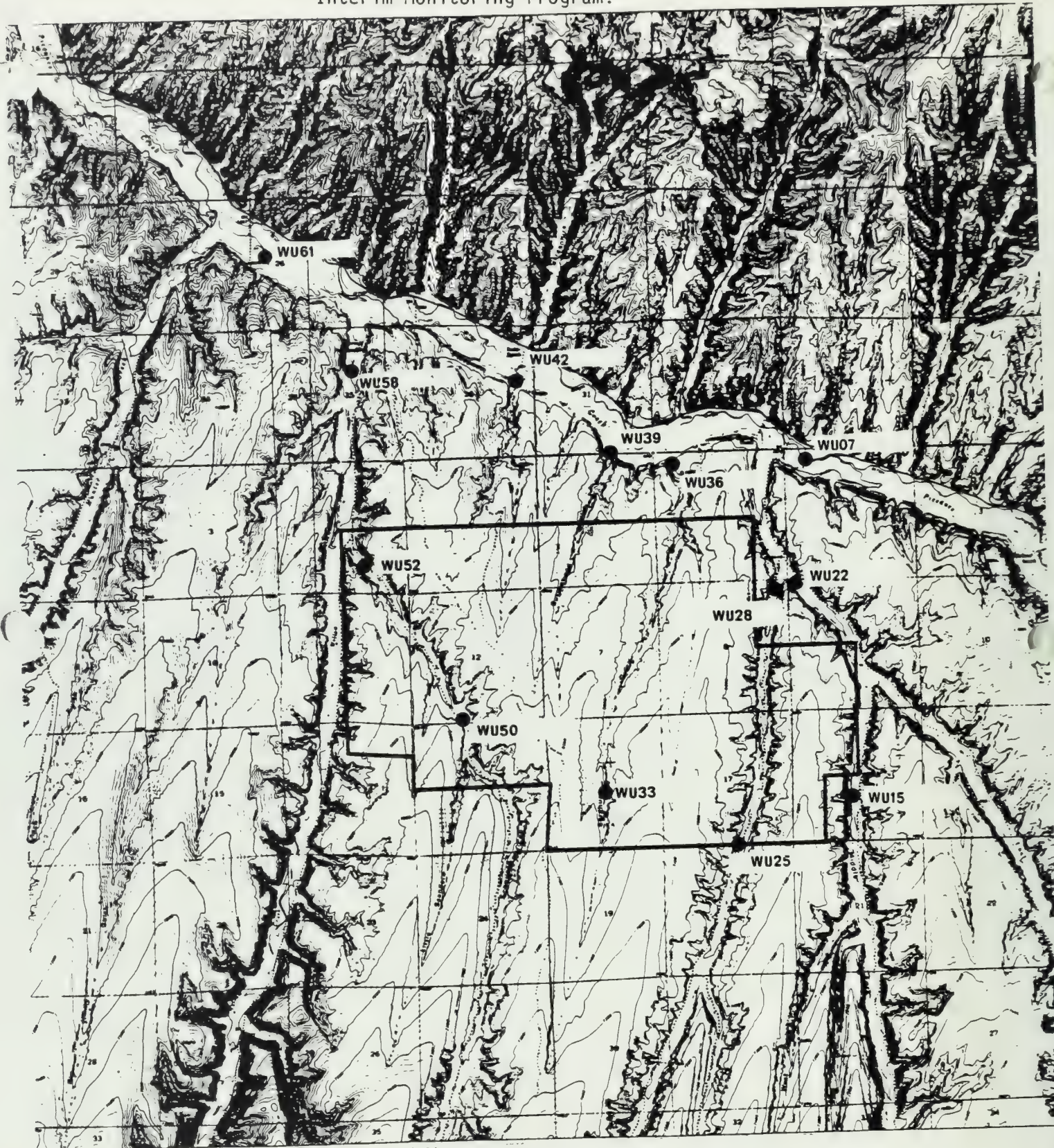
Daily mean discharge data for eight major surface water gauging stations monitored for the Interim Monitoring Program (IMP) are included in this section. Location of these monitoring stations are shown on Figure 2.2.1.1-1. Data presented cover 1982 water year, October 1981 through September 1982. The following table lists stations and the pages summarizing data.

TABLE 2.2.1.1-1

Guide for Surface Water Gauging Stations Discharge Data

<u>Computer Code</u>	<u>Stations for Interim Monitoring</u>	<u>Tabulated Data Presented On Page</u>
WU07	09306007	I-41
WU22	09306022	I-42
WU36	09306036	I-43
WU39	09306039	I-44
WU42	09306042	I-45
WU52	09306052	I-46
WU58	09306058	I-47
WU61	09306061	I-48

Stations WU15, WU25, WU28, WU33, WU45,
and WU50 were discontinued during the
Interim Monitoring Program.



U.S.G.S STREAM GAUGE DEVELOPMENT MONITORING
NETWORK

Figure 2.2.1.1-1

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 93060007

PICEANCE CREEK BELOW RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	3.2	6.3	7.1	6.1	5.9	8.2	11.0	5.5	7.4	3.10	4.2	10.0
2	3.3	5.8	7.1	5.5	6.0	10.0	11.0	6.2	7.0	2.8	6.4	10.0
3	4.2	5.7	6.8	5.3	5.8	11.0	9.9	9.5	7.1	1.5	6.1	9.8
4	4.2	5.4	6.7	5.3	5.8	11.0	9.9	16.0	4.8	1.3	7.9	9.7
5	5.1	4.9	6.6	5.3	5.8	10.0	9.3	20.0	4.0	1.6	8.9	10.0
6	4.8	5.6	6.6	5.3	5.8	9.5	10.0	16.0	7.4	2.2	10.0	13.0
7	4.7	7.0	6.8	5.3	5.8	10.0	9.5	10.0	6.5	2.8	11.0	12.0
8	4.7	7.3	6.8	5.3	5.8	9.6	8.6	8.4	5.7	3.9	11.0	12.0
9	4.2	7.0	6.8	5.3	5.8	9.1	8.6	6.9	6.5	4.9	11.0	12.0
10	4.8	6.5	6.7	5.3	5.8	9.2	8.8	7.3	6.7	4.9	13.0	12.0
11	4.9	8.5	6.5	5.4	5.8	8.8	9.3	7.2	7.8	5.6	16.0	13.0
12	5.1	9.0	6.6	5.3	5.7	13.0	9.5	11.0	7.7	5.8	29.0	13.0
13	5.4	9.0	6.8	5.4	5.7	15.0	9.6	21.0	7.2	5.7	16.0	13.0
14	5.7	9.1	6.7	5.4	5.6	18.0	8.3	24.0	8.9	6.0	13.0	14.0
15	6.2	9.1	6.7	5.4	5.7	22.0	11.0	18.0	7.8	7.0	12.0	13.0
16	6.8	8.7	6.8	5.4	5.8	18.0	12.0	15.0	6.7	6.1	12.0	12.0
17	5.5	8.6	6.4	5.6	6.1	13.0	8.9	13.0	6.3	5.0	12.0	12.0
18	5.6	9.0	6.5	5.6	6.3	14.0	8.7	12.0	4.8	4.7	15.0	12.0
19	5.2	8.9	6.6	5.7	6.6	13.0	7.6	15.0	3.4	4.3	12.0	12.0
20	5.1	9.0	6.8	5.8	7.6	12.0	6.8	16.0	5.5	5.1	12.0	12.0
21	5.2	8.7	7.1	5.8	9.1	9.9	5.6	14.0	5.4	4.2	11.0	12.0
22	5.4	8.7	6.6	5.8	11.0	9.4	4.8	14.0	4.3	3.9	12.0	12.0
23	5.8	8.6	6.5	5.8	12.0	8.4	4.7	13.0	4.1	3.4	12.0	11.0
24	5.8	8.4	6.5	5.9	8.9	8.1	5.2	11.0	3.1	3.6	11.0	10.0
25	4.9	8.4	6.3	5.6	8.7	7.7	5.3	9.2	2.5	4.1	11.0	11.0
26	5.0	7.8	6.3	5.8	8.5	8.3	4.2	12.0	2.7	4.7	12.0	12.0
27	4.7	7.6	6.3	5.7	8.4	8.7	2.8	16.0	2.5	5.4	11.0	12.0
28	4.6	7.6	6.2	5.9	8.2	9.3	2.4	8.8	2.2	5.3	11.0	12.0
29	5.2	7.4	6.2	5.9		11.0	1.9	7.0	2.7	4.7	11.0	13.0
30	6.8	7.4	6.2	5.8		9.3	3.4	9.4	2.4	4.3	11.0	13.0
31	6.3		6.1	5.8		8.6		9.5	0.0	4.0	11.0	0.0
TOTAL*	158.4	231.0	204.7	172.8	194.0	343.1	228.6	381.9	161.1	131.9	362.5	354.5
WATER YEAR TOTAL	2924.5		MEAN		8.01							

*CFS - Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1962 MEAN VALUES FOR 9306022
STEWART GULCH ABOVE WEST FORK NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	0.94	0.90	1.2	1.3	1.5	1.7	1.7	1.8	1.6	1.4	1.2	1.20
2	0.94	0.96	1.2	1.3	1.5	1.7	1.7	1.8	1.6	1.4	1.2	1.20
3	1.00	0.97	1.2	1.3	1.5	1.7	1.7	1.8	1.6	1.3	1.2	1.20
4	1.00	1.00	1.1	1.3	1.4	1.6	1.7	1.8	1.6	1.3	1.2	1.20
5	1.00	1.00	1.1	1.3	1.4	1.6	1.7	1.7	1.6	1.3	1.2	1.30
6	0.95	1.00	1.1	1.3	1.4	1.6	1.8	1.7	1.6	1.3	1.2	1.30
7	0.95	1.10	1.1	1.3	1.4	1.5	1.7	1.7	1.6	1.3	1.2	1.40
8	1.00	1.10	1.1	1.3	1.4	1.5	1.7	1.7	1.6	1.3	1.3	1.40
9	1.00	1.10	1.1	1.3	1.4	1.5	1.6	1.6	1.6	1.3	1.3	1.40
10	0.95	1.10	1.1	1.3	1.4	1.6	1.6	1.6	1.6	1.3	1.3	1.40
11	1.00	1.10	1.1	1.3	1.4	1.6	1.6	1.5	1.6	1.3	1.2	1.40
12	1.00	1.00	1.1	1.3	1.4	1.6	1.6	1.5	1.6	1.3	1.3	1.50
13	1.00	1.00	1.1	1.3	1.4	1.6	1.6	1.6	1.6	1.3	1.2	1.50
14	0.95	1.00	1.1	1.3	1.6	1.7	1.6	1.6	1.6	1.3	1.2	1.40
15	0.95	1.00	1.2	1.3	1.7	1.7	1.7	1.6	1.6	1.3	1.2	1.30
16	0.95	1.00	1.2	1.3	1.8	1.7	1.6	1.6	1.6	1.3	1.2	1.20
17	0.95	1.00	1.2	1.4	1.9	1.7	1.6	1.6	1.6	1.3	1.2	1.20
18	0.89	1.10	1.2	1.4	1.8	1.7	1.6	1.6	1.6	1.3	1.3	1.20
19	0.89	1.10	1.2	1.4	1.8	1.6	1.6	1.7	1.6	1.3	1.3	1.20
20	0.89	1.10	1.2	1.4	2.0	1.6	1.7	1.6	1.6	1.3	1.2	1.20
21	0.89	1.10	1.2	1.4	2.2	1.6	1.8	1.6	1.6	1.3	1.3	1.20
22	0.89	1.10	1.2	1.4	2.8	1.6	1.8	1.6	1.4	1.2	1.4	1.20
23	0.89	1.10	1.3	1.4	2.1	1.6	1.8	1.6	1.3	1.2	1.4	1.20
24	0.89	1.10	1.3	1.4	1.8	1.6	1.8	1.6	1.3	1.2	1.3	1.10
25	0.89	1.10	1.3	1.4	1.8	1.6	1.8	1.6	1.3	1.2	1.4	0.94
26	0.89	1.10	1.3	1.5	1.8	1.6	1.8	1.6	1.3	1.2	1.4	1.10
27	0.89	1.20	1.3	1.4	1.8	1.6	1.8	1.6	1.3	1.2	1.4	1.20
28	0.96	1.20	1.3	1.5	1.8	1.6	1.8	1.6	1.3	1.2	1.4	1.20
29	0.96	1.20	1.3	1.4		1.7	1.8	1.7	1.3	1.2	1.3	1.20
30	0.96	1.20	1.3	1.5		1.7	1.8	1.7	1.3	1.2	1.3	1.30
31	0.96		1.3	1.5		1.7		1.7	0.0	1.2	1.3	0.00
TOTAL*	29.30	32.03	37.0	42.2	47.2	50.4	51.1	51.0	45.4	39.5	39.5	37.74
WATER YEAR TOTAL		502.37		MEAN	1.38							

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1961 MEAN VALUES FOR 9306036
SORGHUM GULCH AT MOUTH NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
2	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.02	0.00
3	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
4	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
5	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
6	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
7	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
8	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
9	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.21
10	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
11	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
12	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
13	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
14	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
15	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
16	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
17	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.02	0.00
18	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
19	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
20	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
21	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
22	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
23	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
24	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
25	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
26	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
27	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
28	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
29	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.03
30	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.01
31	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	0.0	0.00
TOTAL*											0.04	0.25
WATER YEAR TOTAL		0.29										

*CFS-Days

MEAN 0.0

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1992 MEAN VALUES FOR 9306039
COTTONWOOD GULCH NR RANGELY, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
2	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
3	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
4	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
5	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
6	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
7	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
8	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
9	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
10	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
11	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
12	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
13	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
14	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
15	0.02	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
16	0.00	No Flow	No Flow	No Flow	No Flow	0.14	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
17	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
18	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
19	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
20	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
21	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
22	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
23	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
24	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
25	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
26	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
27	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
28	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
29	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
30	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
31	0.00	No Flow	No Flow	No Flow	No Flow	0.00	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow

TOTAL* 0.02

WATER YEAR TOTAL 0.16

MEAN 0.0

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306042
 PICEANCE CREEK TRIB. NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.80
2	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.30	0.60
3	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.27
4	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	1.00	0.39
5	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.77	0.49
6	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.93	0.44
7	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.67	0.41
8	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.77	0.37
9	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.67	0.37
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.67	0.32
11	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.58	0.97
12	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.53
13	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.97	1.00
14	0.00	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.80	0.82	1.10
15	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.71	0.87
16	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.62	0.36
17	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.52	0.49
18	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.86	0.60
19	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.99	0.67
20	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.88	0.55
21	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.79	0.51
22	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.80	0.56
23	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.92	0.51
24	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.92	0.50
25	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.84	0.50
26	0.00	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.0	0.71	1.00	0.50
27	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	1.10	0.50
28	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	1.10	0.50
29	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.91	0.50
30	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.85	0.50
31	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.72	0.00
TOTAL *	6.29	0.0	0.0	0.07	0.25	0.0	0.0	0.0	0.0	22.50	27.32	16.68
WATER YEAR TOTAL		72.86		MEAN	0.20							

*CFS-Days

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306052
 STANDARD GULCH AT MOUTH NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	1.10				0.0			0.0	0.0	0.0	0.00	0.00
2	0.00				0.0			0.0	0.0	0.0	0.13	0.00
3	1.90				0.0			0.0	0.0	0.0	0.00	0.00
4	0.34				0.0			0.0	0.0	0.0	0.00	0.00
5	0.00				0.0			0.0	0.0	0.0	0.00	0.00
6	0.00				0.0			0.0	0.0	0.0	0.00	0.00
7	0.00				0.0			0.0	0.0	0.0	0.00	0.00
8	0.00				0.0			0.0	0.0	0.0	0.00	0.00
9	0.00				0.0			0.0	0.0	0.0	0.00	0.00
10	0.00				0.0			0.0	0.0	0.0	0.00	0.00
11	0.00				0.0			0.0	0.0	0.0	0.00	0.09
12	0.00				0.0			0.0	0.0	0.0	0.06	0.00
13	0.00				0.0			0.29	0.0	0.0	0.07	0.09
14	0.00				0.0			0.0	0.0	0.0	0.00	0.00
15	0.63				0.0			0.0	0.0	0.0	0.00	0.00
16	0.64				0.0			0.0	0.0	0.0	0.00	0.00
17	0.00				0.0			0.0	0.0	0.0	0.00	0.00
18	0.00				0.0			0.0	0.0	0.0	0.00	0.00
19	0.00				0.0			0.0	0.0	0.0	0.00	0.00
20	0.00				0.0			0.0	0.0	0.0	0.00	0.00
21	0.00				2.3			0.0	0.0	0.0	0.00	0.00
22	0.00				1.3			0.0	0.0	0.0	0.00	0.00
23	0.00				1.6			0.0	0.0	0.0	0.00	0.00
24	0.00				1.2			0.0	0.0	0.0	0.00	0.00
25	0.00				0.0			0.0	0.0	0.0	0.00	0.00
26	0.00				0.0			0.0	0.0	0.0	0.00	0.00
27	0.00				0.2			0.0	0.0	0.02	0.00	0.00
28	0.00				0.0			0.0	0.0	0.0	0.00	0.00
29	0.00				0.0			0.0	0.0	0.0	0.00	0.00
30	0.00				0.0			0.0	0.0	0.0	0.00	0.00
31	0.00				0.0			0.0	0.0	0.0	0.00	0.00
TOTAL*	4.60				6.6			0.09	0.0	0.02	0.26	0.18
WATER YEAR TOTAL		11.75			0.03							

*CFS-Days

MEAN

Preliminary Record

DISCHARGE IN CFS, WATER YEAR 1962 MEAN VALUES FOR 9306058
WILLOW CREEK NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	1.2	1.4	1.2	0.9	2.2	3.1	2.9	2.5	0.81	0.62	0.08	0.74
2	1.2	1.4	1.4	0.9	2.2	3.0	2.9	2.5	1.0	0.43	0.32	0.73
3	1.4	1.4	1.5	0.8	2.1	3.0	2.9	2.5	1.1	0.50	0.38	0.72
4	1.4	1.4	1.4	0.78	2.0	2.9	2.9	1.4	1.5	0.78	0.36	0.70
5	1.6	1.4	1.4	0.4	2.0	2.7	2.9	0.19	1.8	0.81	0.40	0.74
6	1.3	1.4	1.4	1.1	2.0	2.5	2.8	0.15	0.88	0.88	0.43	0.70
7	1.2	1.4	1.4	1.1	2.0	2.5	2.9	0.11	0.40	0.81	0.48	0.68
8	1.4	1.4	1.4	1.8	2.2	2.5	2.5	0.18	0.38	0.88	0.50	0.71
9	1.4	1.4	1.4	1.5	2.5	2.5	2.7	0.36	0.23	0.88	0.56	0.75
10	1.3	1.4	1.4	1.4	2.7	2.8	2.8	0.15	0.22	0.88	0.59	0.75
11	1.3	1.4	1.4	1.7	2.7	2.8	2.9	0.08	0.43	0.96	0.59	1.00
12	1.4	1.4	1.4	1.9	2.8	2.9	2.9	0.18	0.78	1.00	0.71	0.89
13	1.4	1.5	1.4	1.9	2.8	2.9	2.9	0.27	0.88	0.38	0.71	1.10
14	1.4	1.4	1.4	1.9	2.8	3.0	2.9	0.07	0.88	0.15	0.71	0.96
15	1.5	1.5	1.4	1.9	3.0	3.0	2.9	0.18	0.81	0.15	0.65	0.87
16	1.6	1.4	1.4	1.9	3.2	3.0	2.9	0.12	0.62	0.13	0.65	0.75
17	1.3	1.4	1.4	2.0	3.7	3.0	2.8	0.05	0.96	0.13	0.74	0.74
18	1.4	1.5	1.3	1.9	3.7	3.0	2.9	0.12	1.00	0.13	0.00	0.76
19	1.3	1.4	1.6	1.9	4.0	3.0	2.9	0.03	0.96	0.12	0.72	0.96
20	1.3	1.4	1.6	2.0	4.4	2.9	2.5	0.05	0.00	0.12	0.68	0.93
21	1.4	1.5	1.6	2.0	4.4	2.9	2.5	0.04	0.62	0.11	0.67	0.96
22	1.3	1.5	1.5	2.1	4.5	3.0	2.8	0.04	1.20	0.10	0.68	1.10
23	1.3	1.5	1.0	1.8	4.1	3.0	2.8	0.03	1.10	0.10	0.69	1.00
24	1.4	1.5	1.2	2.2	3.7	3.0	2.5	0.04	0.10	0.11	0.75	1.00
25	1.4	1.5	1.2	2.2	3.5	2.9	2.5	0.04	0.13	0.11	0.68	1.00
26	1.3	1.3	1.2	2.5	3.5	3.0	2.5	0.08	0.14	0.10	0.74	1.10
27	1.3	1.4	1.3	2.2	3.4	3.0	2.6	0.14	0.17	0.14	0.78	1.10
28	1.3	1.4	1.2	2.3	3.2	2.9	2.5	0.10	0.34	0.15	0.79	1.20
29	1.5	1.4	1.2	2.1		2.9	2.5	0.23	0.34	0.11	0.84	1.20
30	1.4	1.3	1.2	2.0		2.8	2.5	0.32	0.40	0.09	0.79	1.10
31	1.2		1.0	2.1		2.9		0.23		0.08	0.76	
TOTAL *	42.1	42.6	41.8	53.18	85.3	89.3	82.4	12.50	20.17	11.93	18.43	26.93
WATER YEAR TOTAL		526.63		MEAN	1.44							

Preliminary Record

*CFS-Days

DISCHARGE IN CFS, WATER YEAR 1982 MEAN VALUES FOR 9306061
 PICEANCE CREEK ABOVE HUNTER CREEK NR RIO BLANCO, CO.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT
1	3.5	9.9	13.0	12.0	9.0	13.0	18.0	3.8	5.4	3.4	6.7	12.0
2	3.8	12.0	11.0	12.0	9.0	16.0	18.0	3.6	5.1	3.4	6.9	12.0
3	5.0	12.0	11.0	12.0	9.0	29.0	17.0	5.1	4.3	3.2	8.4	11.0
4	6.2	10.0	11.0	12.0	9.0	24.0	17.0	6.1	3.5	3.1	7.6	11.0
5	7.5	9.8	12.0	12.0	9.0	21.0	17.0	8.4	3.5	3.3	12.0	12.0
6	6.3	9.1	12.0	12.0	9.0	16.0	17.0	6.6	3.7	3.4	11.0	14.0
7	6.1	12.0	12.0	12.0	9.0	17.0	18.0	4.1	3.7	3.5	12.0	12.0
8	6.7	14.0	12.0	12.0	9.0	15.0	18.0	3.0	3.8	3.8	12.0	12.0
9	6.4	14.0	12.0	12.0	9.0	15.0	16.0	2.9	4.1	4.8	13.0	16.0
10	6.0	13.0	12.0	12.0	9.0	15.0	16.0	2.9	4.5	5.1	13.0	17.0
11	6.5	12.0	12.0	12.0	9.0	14.0	17.0	2.8	6.2	4.3	19.0	21.0
12	7.2	18.0	12.0	12.0	9.0	23.0	17.0	3.3	4.2	4.6	23.0	20.0
13	7.8	20.0	12.0	11.0	9.0	28.0	17.0	17.0	3.9	4.5	31.0	21.0
14	7.6	19.0	11.0	11.0	10.0	34.0	13.0	20.0	5.4	6.4	20.0	22.0
15	7.9	18.0	11.0	10.0	11.0	42.0	16.0	10.0	5.3	6.8	17.0	21.0
16	10.0	17.0	11.0	9.5	11.0	36.0	17.0	5.7	5.2	6.6	15.0	19.0
17	7.5	15.0	11.0	9.7	14.0	27.0	12.0	6.2	5.2	6.5	15.0	17.0
18	7.5	16.0	11.5	9.5	11.0	25.0	6.6	4.2	5.3	7.0	19.0	17.0
19	7.2	16.0	12.0	9.5	14.0	24.0	6.8	6.3	5.2	7.0	15.0	17.0
20	6.8	16.0	12.0	9.6	21.0	23.0	5.3	10.0	5.3	6.5	13.0	16.0
21	7.1	17.0	13.0	9.2	29.0	20.0	5.1	7.2	5.9	6.5	13.0	15.0
22	7.0	19.0	12.0	9.0	37.0	20.0	5.9	5.9	5.9	5.9	13.0	15.0
23	7.6	18.0	12.0	9.0	33.0	18.0	5.8	5.3	5.8	5.4	15.0	14.0
24	7.7	17.0	12.0	9.5	21.0	18.0	5.6	5.6	5.3	5.4	13.0	13.0
25	7.0	17.0	12.0	9.0	17.0	17.0	4.9	4.5	4.4	6.1	13.0	14.0
26	6.4	15.0	12.0	10.0	15.0	15.0	4.9	4.1	4.0	6.1	13.0	15.0
27	6.1	14.0	12.0	9.9	15.0	15.0	6.1	6.1	4.1	7.4	13.0	15.0
28	5.9	13.0	12.0	11.0	14.0	16.0	5.3	7.5	3.9	14.0	12.0	16.0
29	6.7	13.0	12.0	9.2		18.0	5.0	5.6	3.7	11.0	14.0	16.0
30	9.5	13.0	12.0	11.0		17.0	3.5	5.5	3.5	9.7	15.0	17.0
31	9.7		12.0	11.0		16.0		6.2		7.1	14.0	
TOTAL *	214.2	438.8	366.5	331.6	390.0	647.0	351.8	195.5	139.3	181.8	437.6	470.0
WATER YEAR TOTAL	4164.1			MEAN	11.41							

*CFS-Days

Preliminary Record

2.2.1.2 Springs and Seeps

Flow and field measurement data sampled at 19 springs and 1 seep are presented in this section in tabular and plot form. Monitoring of these springs are required by the Interim Monitoring Program (IMP) and the Water Augmentation Plan (WAP). See Table 2.2-1. The IMP sampling requirements include flows and field measurements (temperature, pH and conductivity) taken monthly at four springs (WS04, WS06, WS07, and WS12) and remaining springs; WS01, WS02, WS03, WS08, WS09, WS10, WS66, and seep WS11 if not diverted for seasonal irrigation; refer to Figure 2.2.1.2-1 for location. Nine springs located around the outer boundaries of C-b Tract can be referenced on Figure 2.2-1 (jacket map).

Tables 2.2.1.2-1 and 2.2.1.2-2 consist of data sampled during this report period for C-b Tract springs of flow and field measurements and flow of off-tract springs.

Time series plots of flow data from these 28 springs are presented to display a historical picture of spring flow activities since 1979 through 1982. See Table 2.2.1.2-3 for the page number of each spring.

Table 2.2-1 lists water stations and sampling schedule during the interim period.



SPRINGS AND SEEPS AROUND
Cb TRACT

Figure 2.2.1.2-1

TABLE 2.2.1.2-1

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
-----	--	--	--	-----	-----	-----	---	-----	-----
WS01	82	11	1		1.66	10.0	7.9		1350.0
			22		1.63	7.5	7.7		1280.0
			12 11		1.74	9.0	8.1		1350.0
WS02	82	10	29		-.03	8.0	8.1		1240.0
		11	22		-.03	7.0	8.0		1250.0
		12	12		-.03	6.0	8.1		1230.0
WS03	82	11	5		.77	9.0	7.8		1400.0
			22		.82	8.5	7.9		1420.0
			12 11		.66	9.0	7.8		1390.0
WS04	82	6	24		.28	10.5	8.4		1190.0
		7	16		.25	11.0	7.7		1290.0
		8	26		.19	12.0	7.7		1290.0
		9	20		.19	9.0	7.7		1390.0
		10	29		.17	8.0	7.8		1270.0
		11	22		.17	7.0	7.7		1260.0
		12	12		.25	7.0	7.8		1240.0
WS06	82	6	22		.84	14.0	7.6		1320.0
		7	14		.46	10.5	7.4		1490.0
		8	23		.35	9.0	7.4		1440.0
		9	29		.40	8.0	7.6		1520.0
		10	29		.37	9.0	7.6		1550.0
		11	22		.37	8.5	7.6		1540.0
		12	11		.35	8.5	7.6		1430.0
WS07	82	6	24		.27	11.5	8.2		1220.0
		7	14		.24	12.5	7.5		1440.0
		8	23		.22	9.5	7.3		1440.0
		9	29		.22	8.0	7.5		1440.0
		10	29		.20	8.0	7.5		1430.0
		11	22		.20	7.5	7.4		1450.0
		12	11		.20	8.0	7.6		1430.0
WS08	82	10	26	DRY					
		11	22	DRY					

DRY = SPRING DRY

NOFLME = NO FLUME

- = LESS THAN

DIVERT = FLOW DIVERTED FOR IRRIGATION

TABLE 2.2.1.2-1 (Contd)

CB-TRACT
WATER FLOW AND FIELD MEASUREMENTS
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING -----	YR --	MO --	DY --	STATUS -----	FLOW (CFS) -----	WATER TEMP (C) -----	PH ---	DISS OXYGEN (MG/L) -----	SPEC COND (UMHUS) -----
WS08	82	12	11	DRY					
WS09	82	10	25		.14	9.0	7.3		1260.0
		11	22		.14	8.0	7.4		1230.0
		12	11		.19	8.0	7.6		1400.0
WS10	82	10	25		.56	10.5	8.1		1300.0
		11	22		.52	7.5	8.0		1290.0
		12	11		.62	5.5	7.8		1400.0
WS11	82	6	17		.44				
		7	14		.42				
		9	29		.49	12.5	7.9		1370.0
		10	25		.55	9.5	8.0		1250.0
		11	22		.55	8.0	7.9		1240.0
		12	11		.65	8.0	7.7		1360.0
WS12	82	6	22		.45	9.0	7.5		1410.0
		7	16		.37	10.5	7.5		1420.0
		8	25		.39	10.0	7.6		1390.0
		9	20		.37	9.5	7.7		1600.0
		10	29		.43	9.0	7.8		1460.0
		11	22		.45	8.0	8.9		1480.0
		12	11		.47	10.0	7.9		1540.0

DRY = SPRING DRY

NOFLME = NO FLUME

- = LESS THAN

DIVERT = FLOW DIVERTED FOR IRRIGATION

TABLE 2.2.1.2-2

CB-TRACT
WATER FLOW REQUIRED BY WAP
SPRINGS AND SEEPS
FOR SAMPLE DATE SHOWN

SPRING	YR	MO	DY	STATUS	FLOW (CFS)
-----	--	--	--	-----	-----
WS21	82	6	9		1.10
WS22	82	6	9		.50
WS23	82	6	15		1.45
WS24	82	6	9		1.12
WS26	82	6	15		.34
WS30	82	10	20		3.01
WS31	82	6	16		1.52
WS34	82	6	15		.44
WS36	82	11	5		1.14
			22		1.14
		12	12		1.30
WS66	82	6	22		.60
		7	14	DRY	
		8	23	DRY	
		9	29	DRY	
		10	29	DRY	
		12	11	DRY	

DRY = SPRING DRY
 NOFLME = NO FLUME
 - = LESS THAN

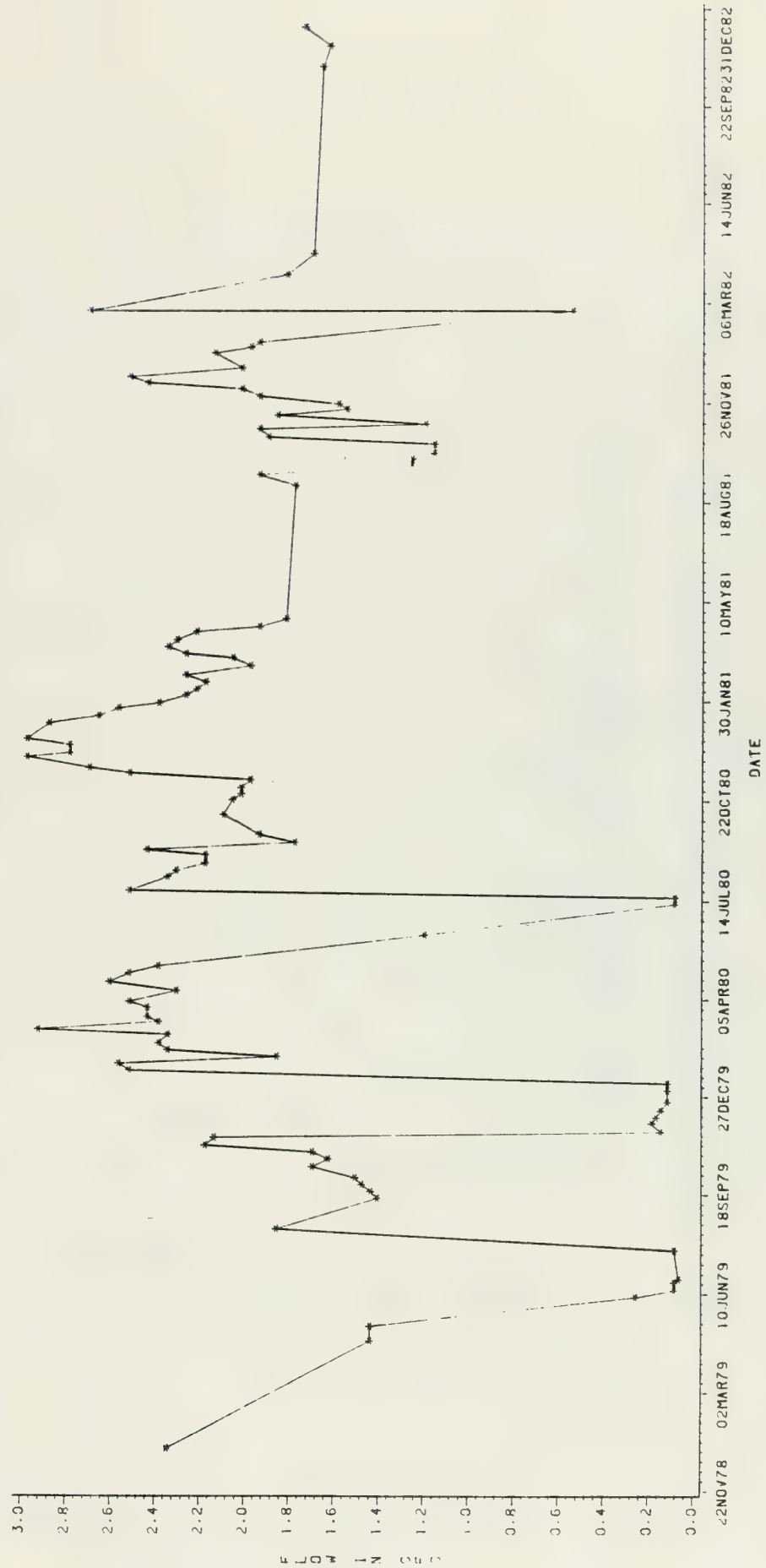
TABLE 2.2.1.2-3

LIST OF SPRING FLOW TIME SERIES PLOTS

<u>Computer Code</u>	<u>Location</u>	<u>Page No.</u>
WS01	CB S-1	I-55
WS02	CB S-2	I-56
WS03	CB S-3	I-57
WS04	CB S-4	I-58
WS06	CB S-6	I-59
WS07	CB S-7	I-60
WS08	CB S-8	I-61
WS09	CB S-9	I-62
WS10	CB S-10	I-63
WS11	CB S-10A (Seep)	I-64
WS12	CB S-102	I-65
WS21	CER-1	I-66
WS22	R-3	I-67
WS23	H-3	I-68
WS24	F-3	I-69
WS25	Figure 4-A	I-70
WS26	W-4	I-71
WS27	W-9	I-72
WS28	CER-7	I-73
WS29	S-9	I-74
WS30	P3 & P3A	I-75
WS31	CER-6	I-76
WS32	W-2 (CB S-9)	I-77
WS33	S-2	I-78
WS34	W-3 (CB S-10)	I-79
WS35	Figure 4	I-80
WS36	CB S-101	I-81
WS37	Oldland Spring	I-82

TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WSQ1



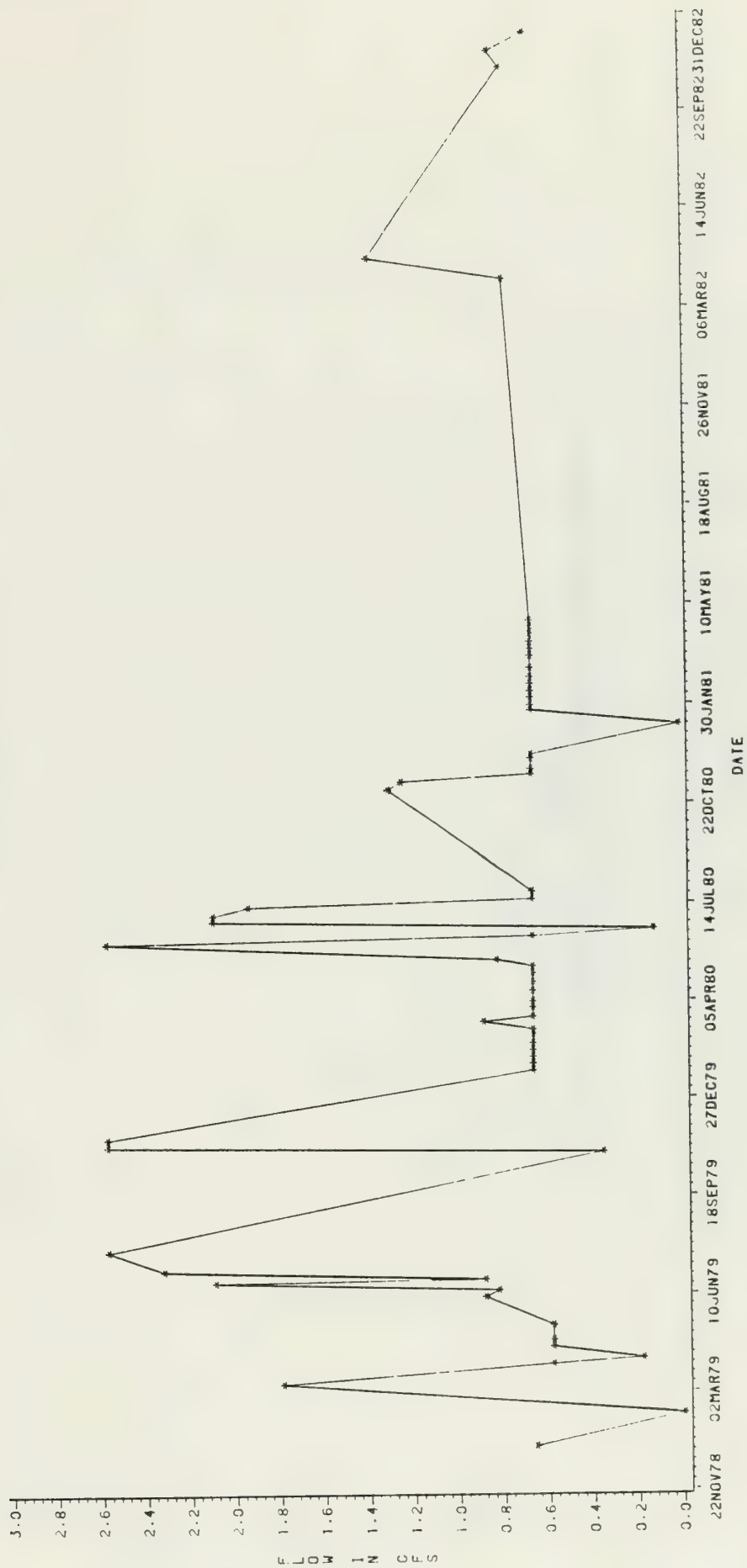
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS02



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LQC=MS03



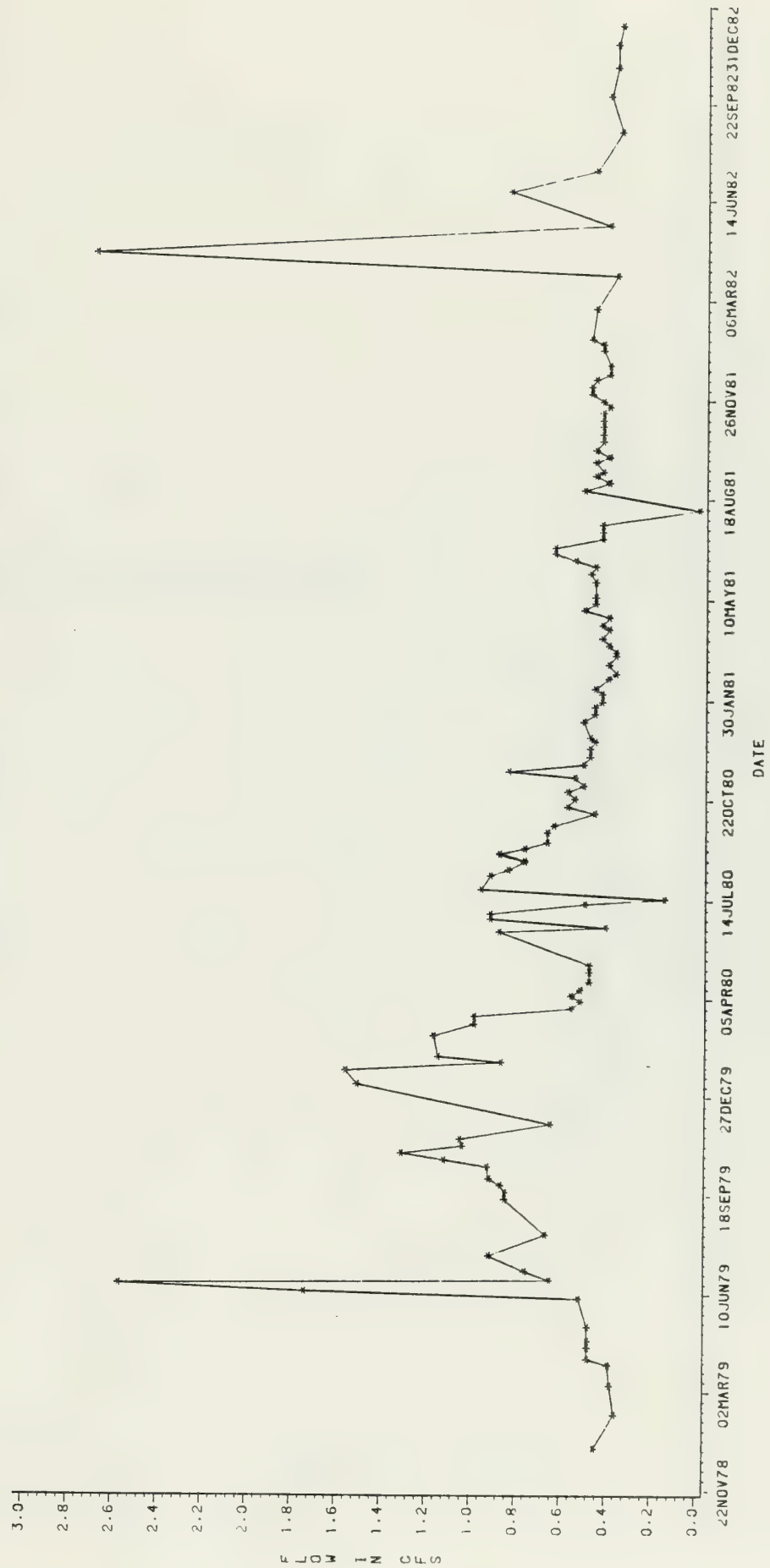
TIME SERIES PLOT FOR SPRINGS AND SEEPS

L0C=WS04



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS06



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS07



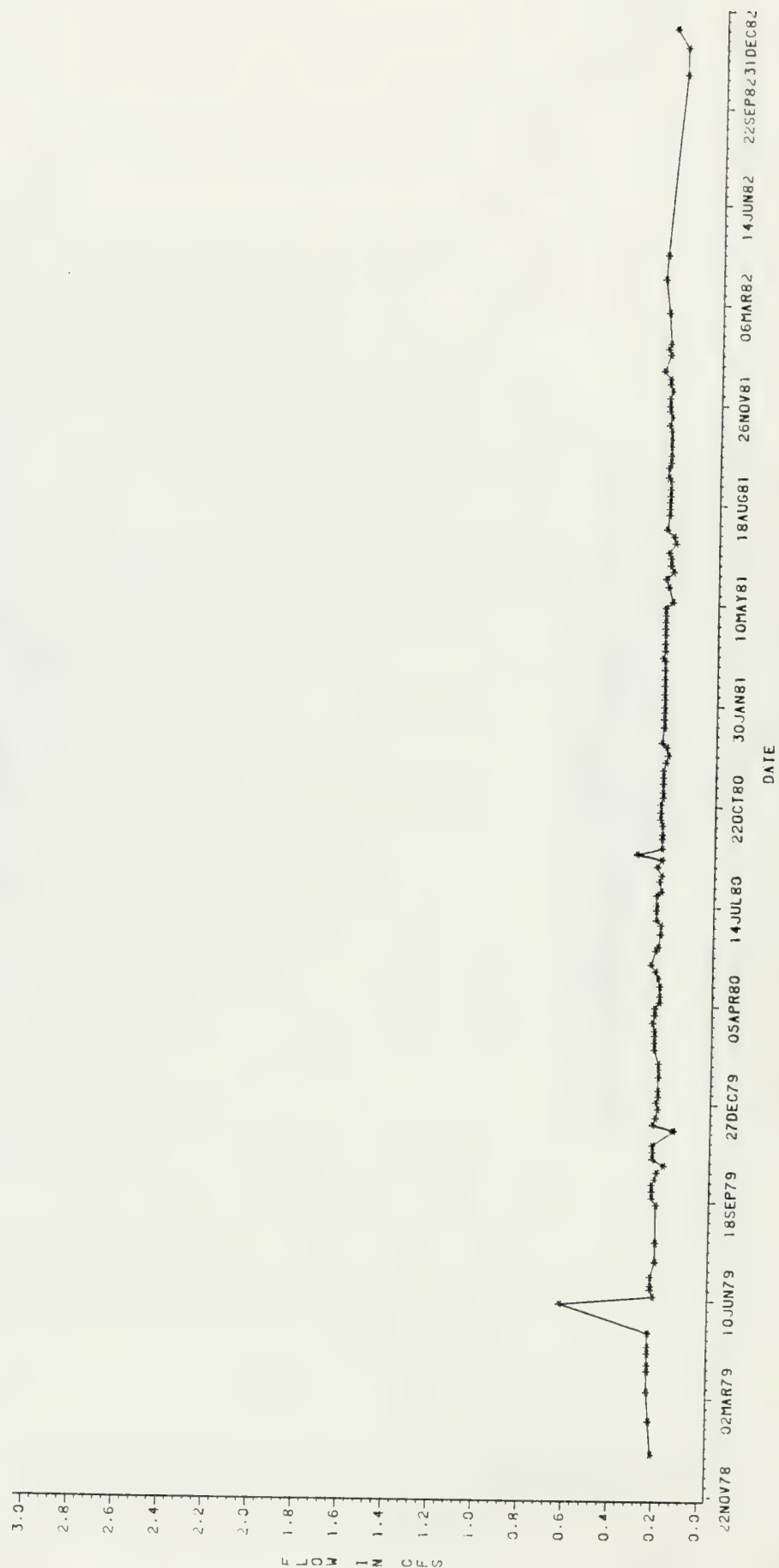
TIME SERIES PLOT FOR SPRINGS AND SEEPS

L0C=MS08



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=MS09



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS10



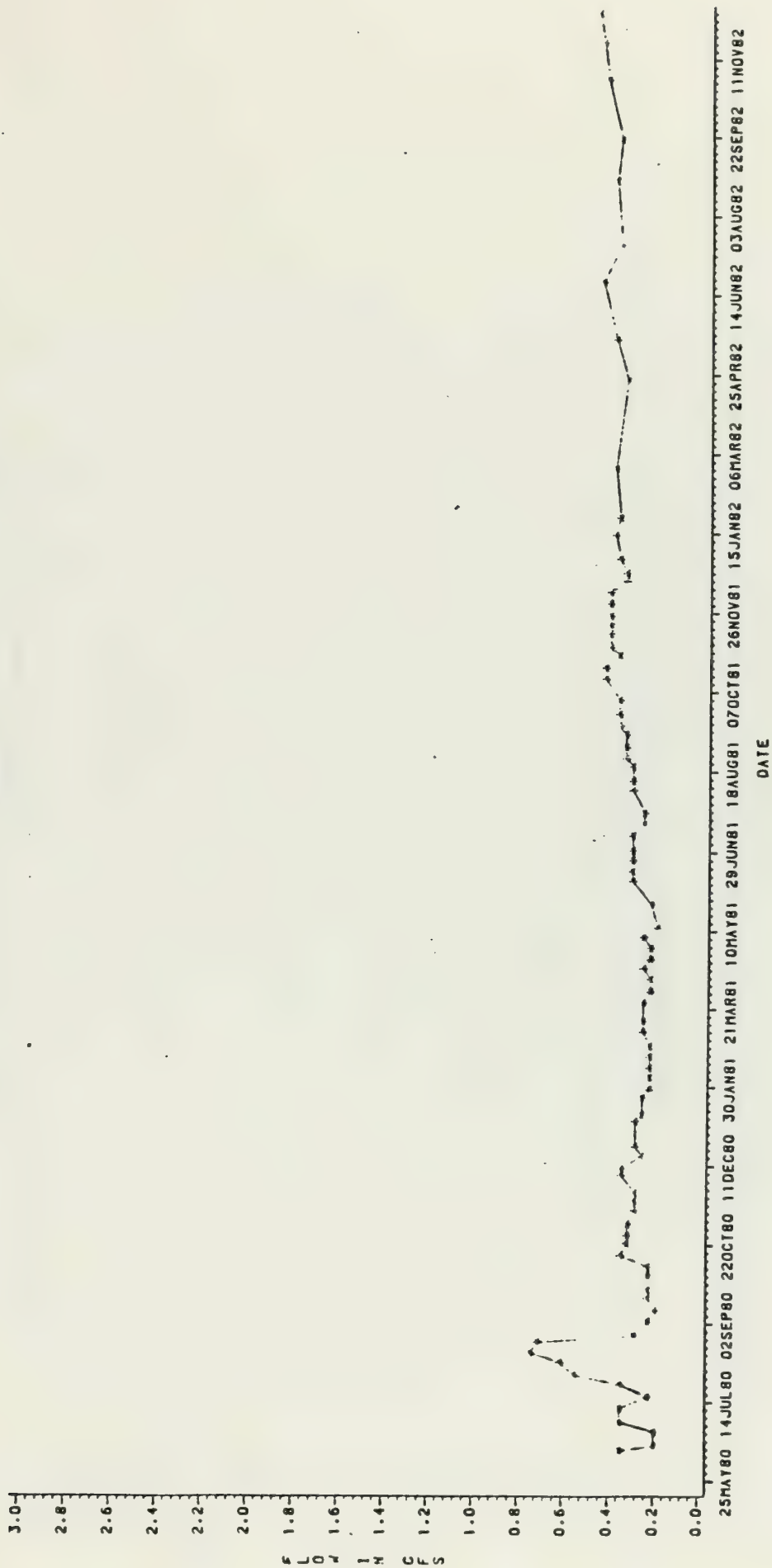
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS11



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC-WS12



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LC=WS21



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=MS22

3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0

F L O W I N C E S

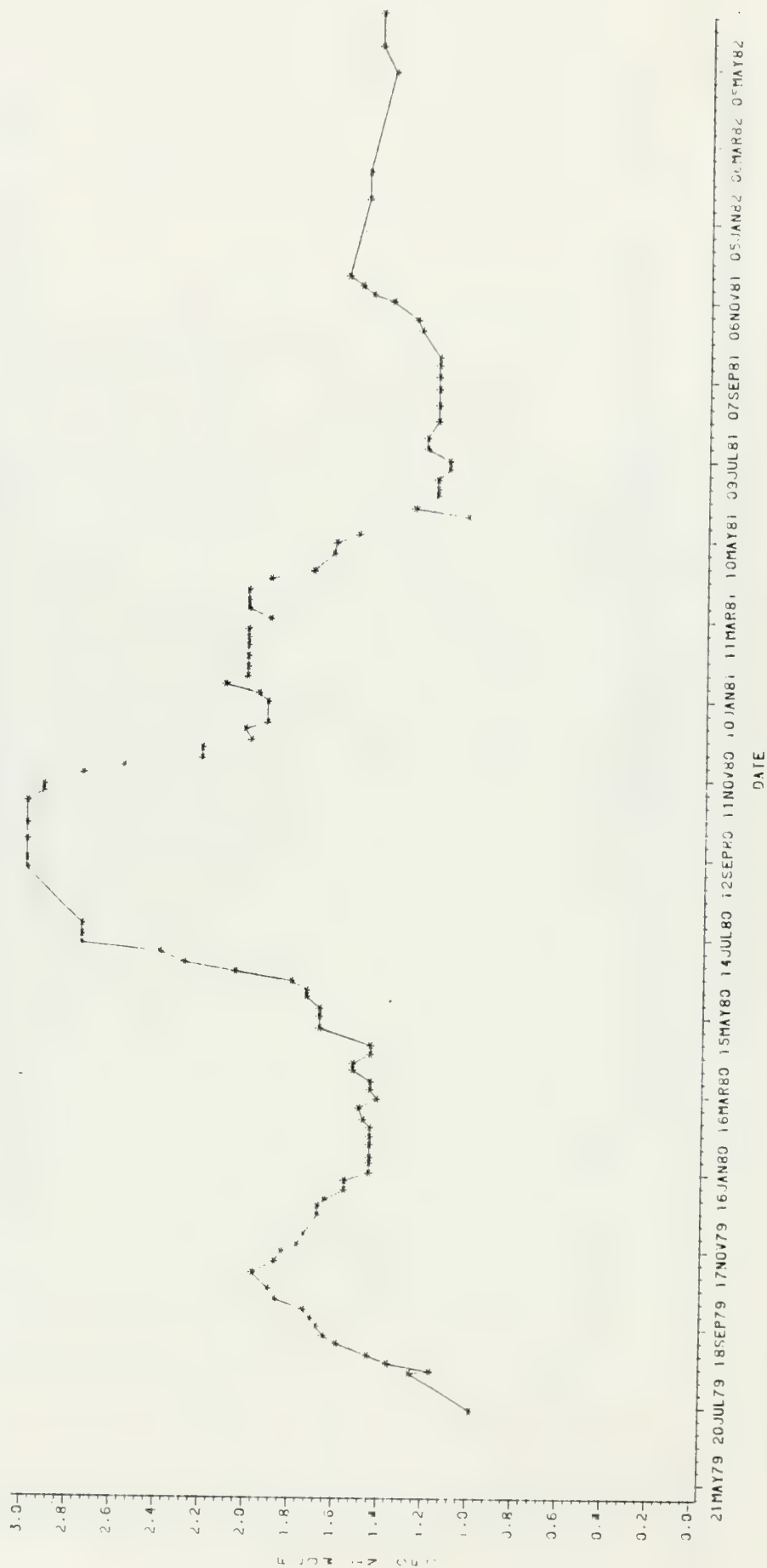


21MAY79 20JUL79 18SEP79 17NOV79 16JAN80 16MAR80 15MAY80 14JUL80 12SEP80 11NOV80 10JAN81 11MAR81 10MAY81 09JUL81 07SEP81 06NOV81 05JAN82 04MAR82 02MAY82

DATE

TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS23



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS24



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS25



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS26



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LDC=MS27



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS28



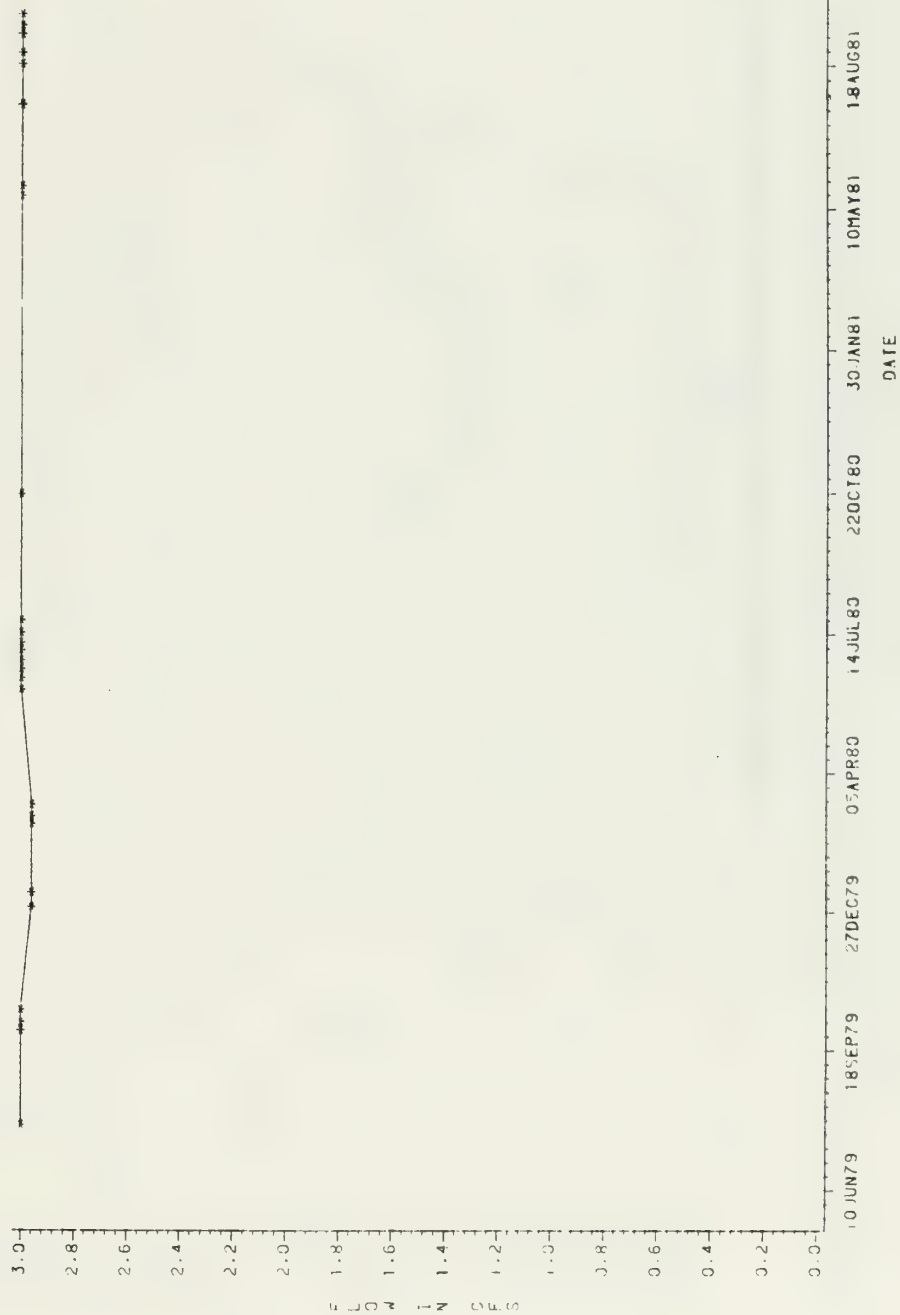
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=MS29



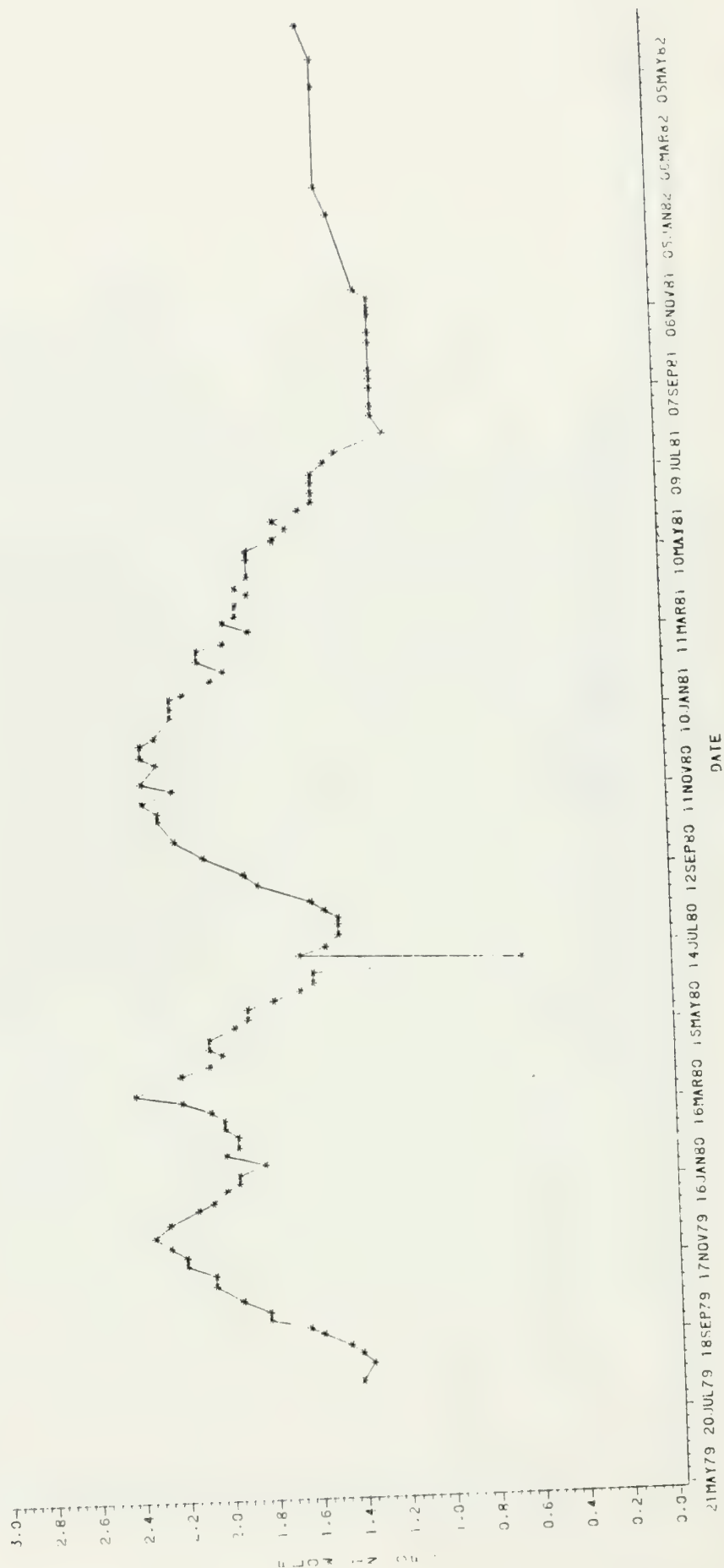
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WSJ3



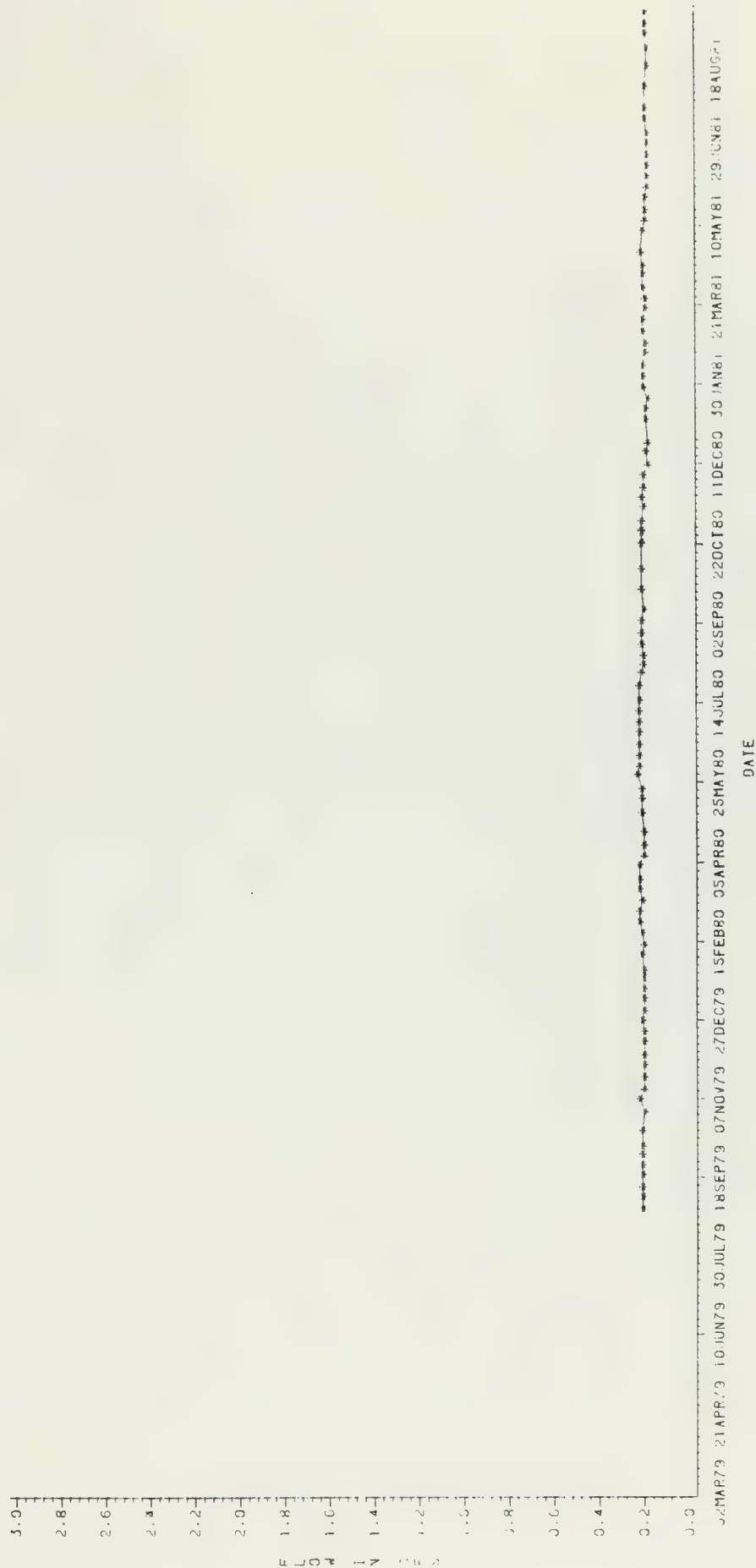
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS31



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS32



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=MS33



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC#WSJ4



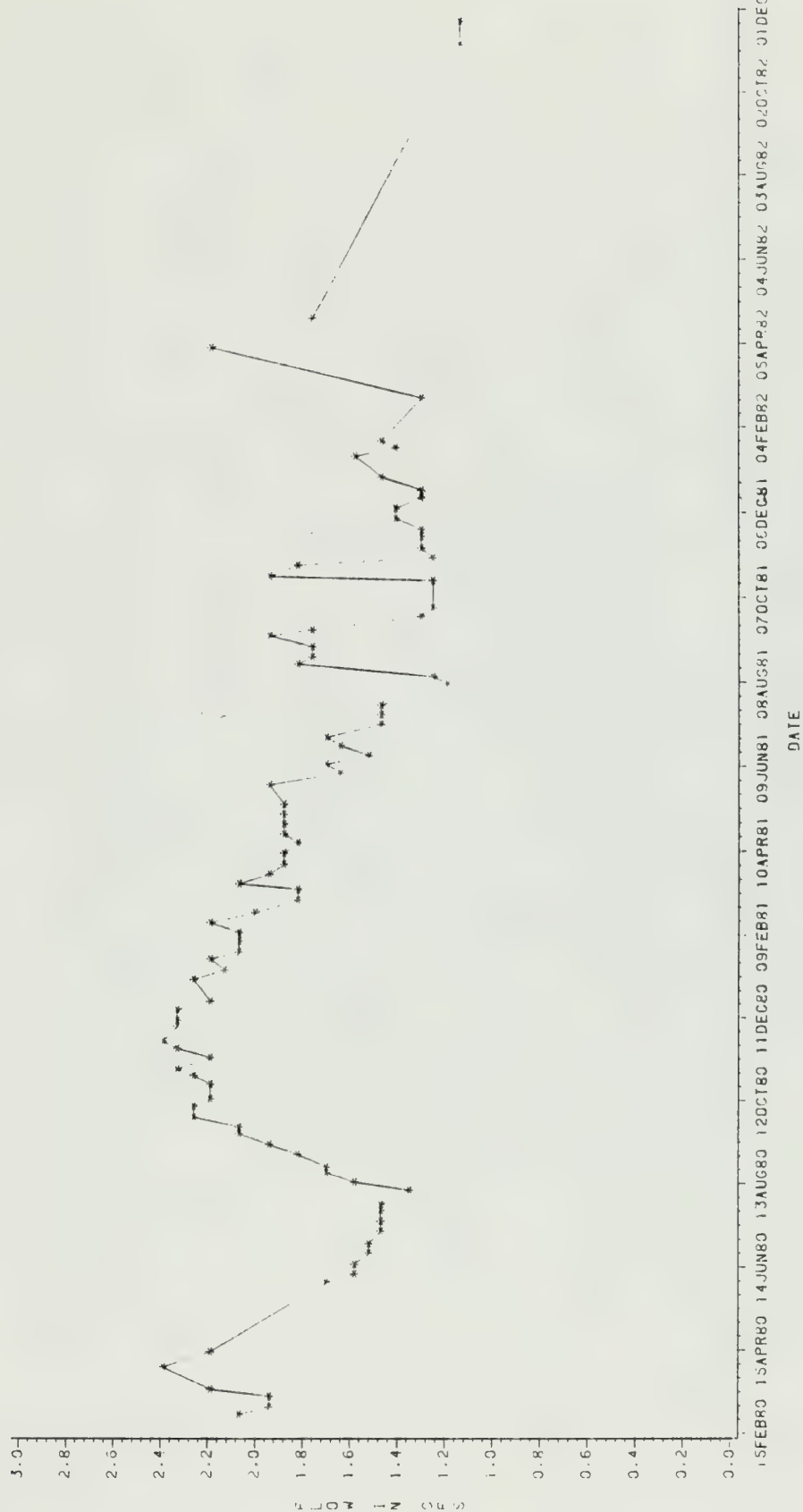
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS35



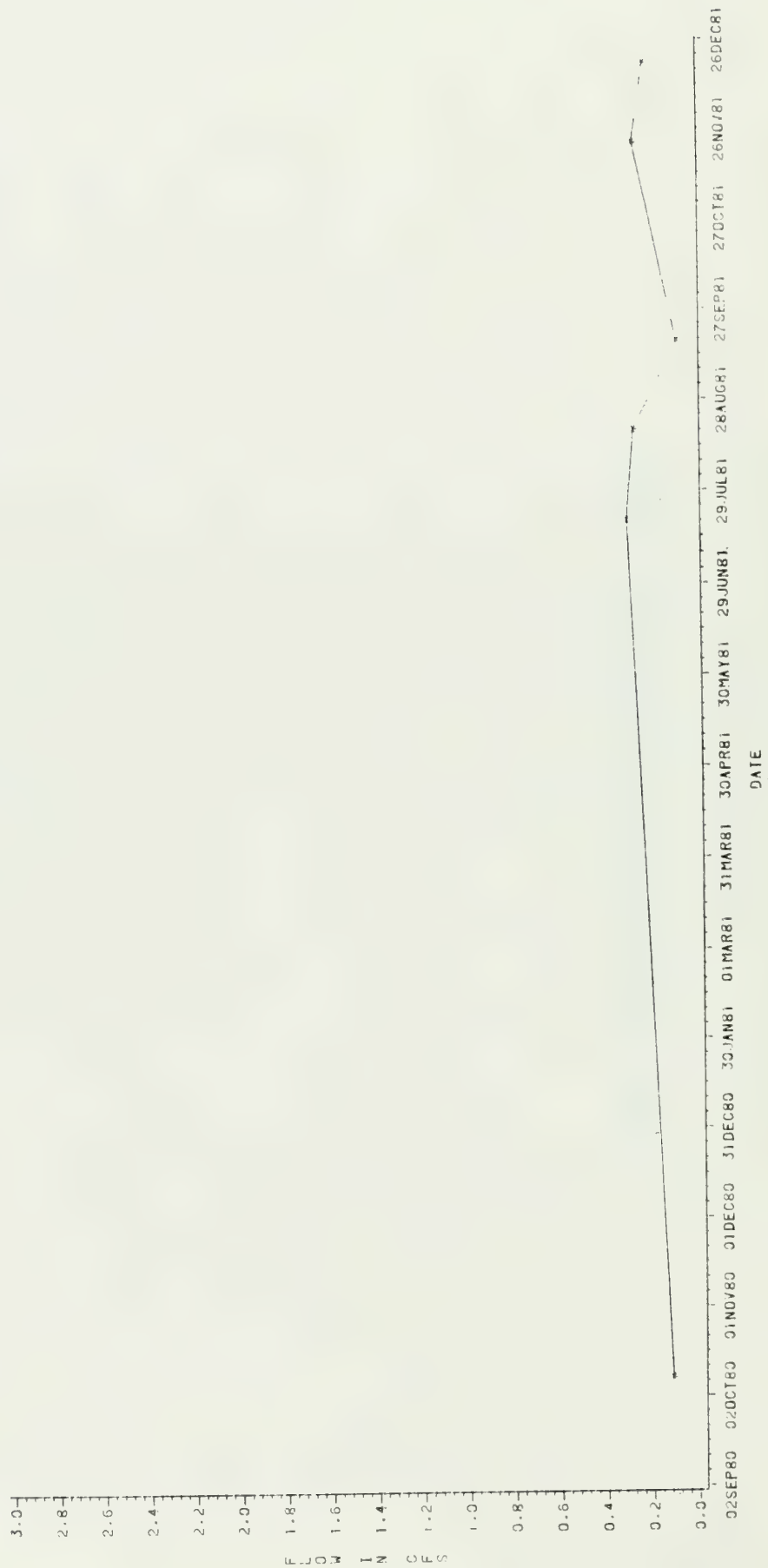
TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS36



TIME SERIES PLOT FOR SPRINGS AND SEEPS

LOC=WS37



2.2.1.3 Alluvial Wells

Alluvial wells are located on and near C-b Tract; these wells are shown in Figure 2.2.1.3-1.

Monitoring of alluvial wells was begun during the baseline period and has continued through C-b Tract's Developmental Monitoring Program, which ended March 1982. Approval of the Interim Monitoring Program (IMP) was granted by the Deputy Minerals Manager for Oil Shale for the period, March 1982 through March 1983.

Data reported in this section are for the Interim Monitoring Program (IMP).

Water levels and field measurements were sampled monthly for all alluvials except dry holes during the DMP. Water levels sampling frequency remains unchanged during the IMP. Field measurements (temperature, pH and conductivity) are to be sampled semiannually unless a maximum or minimum greater than 20% deviation from baseline values occurs for pH or conductivity; then an additional water quality sample must be taken and analyzed. See Table 2.2-1 for station list and associated sampling frequency.

Table 2.2.1.3-1 presents water level and field measurement data for June 1982 through December 1982 for all alluvial wells.

Time series plots of alluvial well levels are presented in this section; for reference see Table 2.2.1.3-2.

Stevens Recorder instrumentation for monitoring continuous water levels were operating at ten alluvial wells during the Development Monitoring Program (DMP), hence these recorders were removed upon approval of the Deputy Mineral Manager for Oil Shale for the Interim Monitoring Program (IMP).



ALLUVIAL AQUIFER MONITORING NETWORK

Figure 2.2.1.3 - I

TABLE 2.2.1.3-1

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
----	--	--	--	-----	-----	-----	---	-----	-----
WA01	82	6	22		6241.5				
		7	16		6240.5				
		8	25		6239.0				
		9	28		6239.1				
		10	12		6238.7				
		11	15		6238.5				
		12	11		6237.7				
WA02	82	6	16		6270.6				
		7	14		6270.5				
		8	25		6269.4				
		9	29		6269.6				
		10	29		6269.1				
		11	15		6269.1				
		12	11		6268.6				
WA03	82	6	16		6362.7				
		7	14		6365.4				
		8	16		6368.6				
		9	29		6370.9				
		10	26		6370.8				
		11	15		6366.6				
		12	11		6365.0				
WA05	82	6	22		6326.2				
		7	16		6327.3				
		8	25		6327.6				
		9	20		6327.4				
		10	12		6327.3				
		11	22		6327.2				
		12	11		6327.4				
WA06	82	6	22		6327.2				
		7	16		6332.7				
		8	31		6326.7				
		9	20		6326.0				
		10	12		6325.4				
		11	19		6324.8				

PLUGGD = WELL PLUGGED

DRY = WELL DRY

FLWING = WELL FLOWING

INACCS = WELL INACCESSIBLE

TABLE 2.2.1.3-1 (Contd)

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
----	--	--	--	-----	-----	-----	---	-----	-----
WA06	82	12	11		6324.5				
WA07	82	6	22		6353.7				
		7	16		6355.6				
		8	31		6351.6				
		9	20		6350.5				
		10	12		6349.9				
		11	19		6349.1				
		12	11		6348.8				
WA08	82	6	22		6387.0				
		7	16		6386.9				
		8	26		6385.0				
		9	20		6384.8				
		10	15		6385.1				
		11	19		6384.7				
		12	12		6384.5				
WA09	82	6	24		6492.1				
		7	16		6492.1				
		8	26		6491.9				
		9	20		6491.8				
		10	15		6491.7				
		11	19		6491.9				
		12	12		6492.0				
WA11	82	6	17		6450.0				
		7	16		6450.3				
		8	23		6450.2				
		9	20		6450.1				
		10	15		6450.1				
		11	19		6450.1				
		12	12		6450.1				
WA12	82	6	17		6639.4				
		7	16		6638.8				
		8	23		6634.5				
					6638.1				

PLUGGD = WELL PLUGGED
 DRY = WELL DRY
 FLWING = WELL FLOWING
 INACCS = WELL INACCESSIBLE

TABLE 2.2.1.3-1 (Contd)

CB-TRACT
WATER LEVELS AND FIELD MEASUREMENTS
ALLUVIAL WELLS
FOR SAMPLE DATE SHOWN

WELL	YR	MO	DY	STATUS	DEPTH (FT)	WATER TEMP (C)	PH	DISS OXYGEN (MG/L)	SPEC COND (UMHOS)
----	--	--	--	-----	-----	-----	---	-----	-----
WA12	82	9	20		6638.0				
		10	15		6638.0				
		11	19		6638.0				
		12	12		6638.2				
WA55	82	6	22	DRY					
		7	26		6439.8				
		8	31		6440.1				
		9	28		6440.2				
		10	25		6441.2				
WA56	82	6	22		-26.5				
		7	26		-21.5				
		8	31		-21.0				
		9	28		-20.9				
		10	25		-19.9				

PLUGGD = WELL PLUGGED

DRY = WELL DRY

FLWING = WELL FLOWING

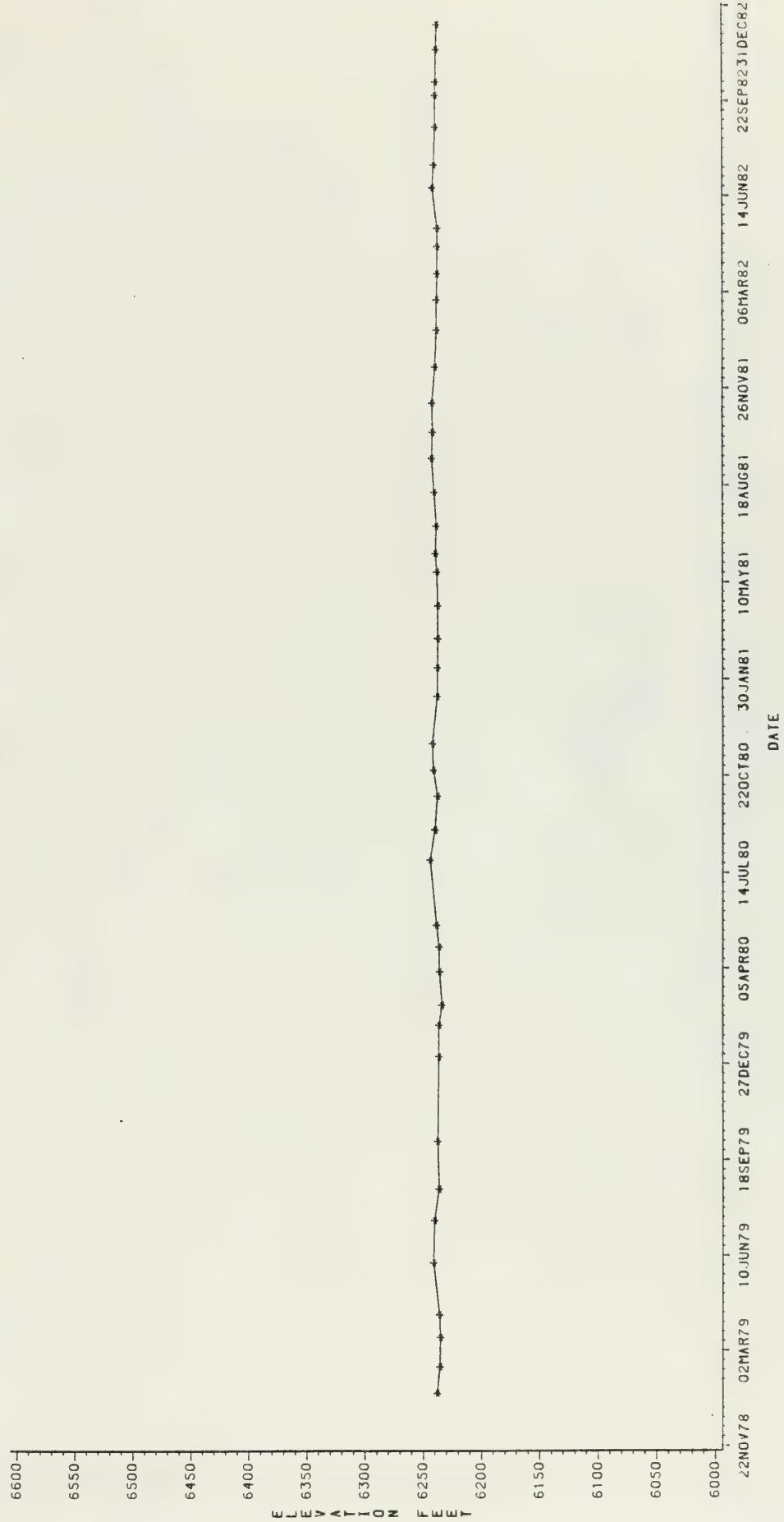
INACCS = WELL INACCESSIBLE

TABLE 2.2.1.3-2
PLOTS OF WATER LEVELS IN ALLUVIAL WELLS

<u>Well No.</u>	<u>Computer Code</u>	<u>Page No.</u>
A-1	WA01	I-89
A-2	WA02	I-90
A-3	WA03	I-91
A-5	WA05	I-92
A-6	WA06	I-93
A-7	WA07	I-94
A-8	WA08	I-95
A-9	WA09	I-96
A-10	WA10	I-97
A-11	WA11	I-98
A-12	WA12	I-99
A-5A	WA55	I-100

CB WELL LEVELS DATA

LOC=WA01



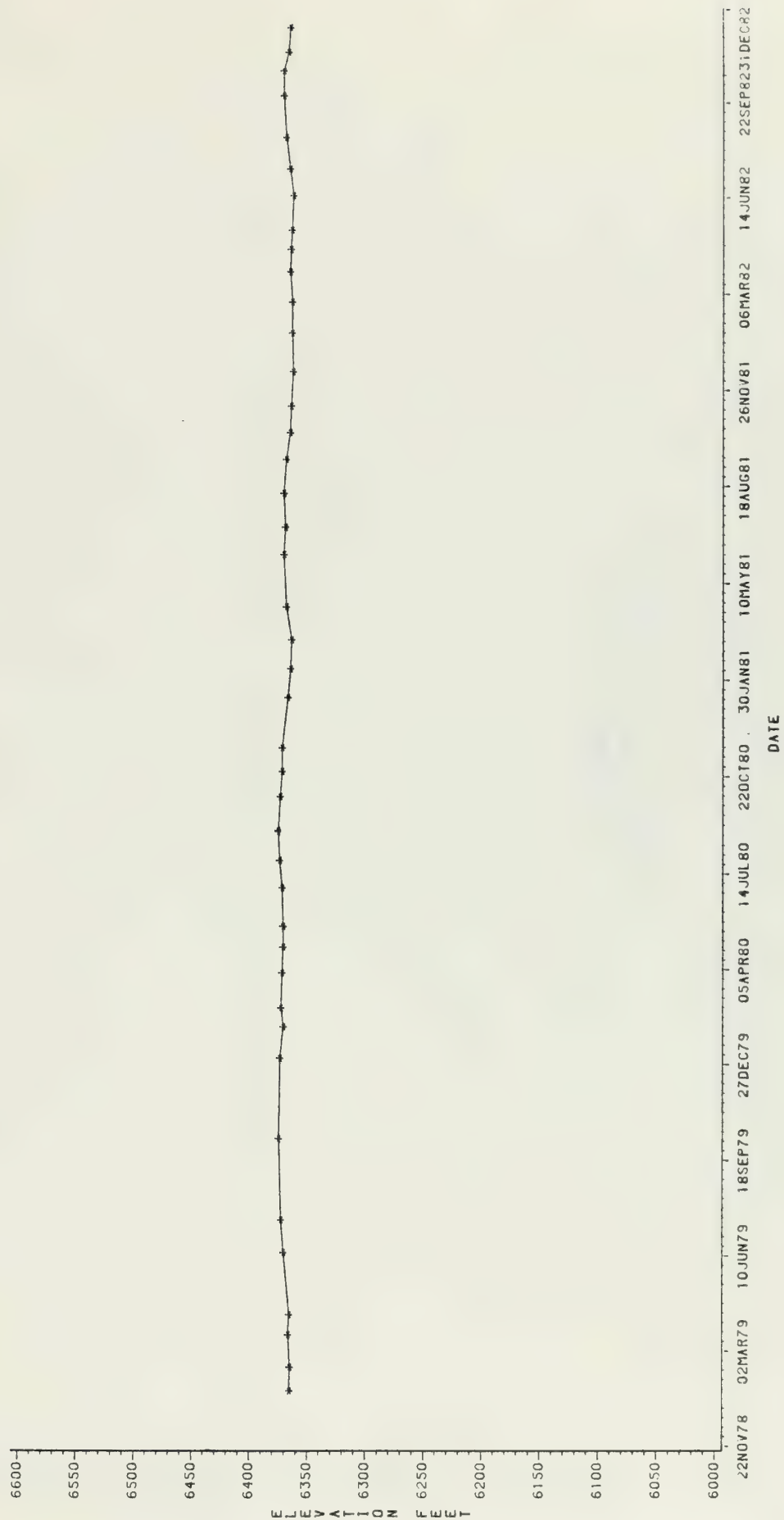
CB WELL LEVELS DATA

LOC=WA02



CB WELL LEVELS DATA

LOC=WA03



CB WELL LEVELS DATA

LOC=WA05



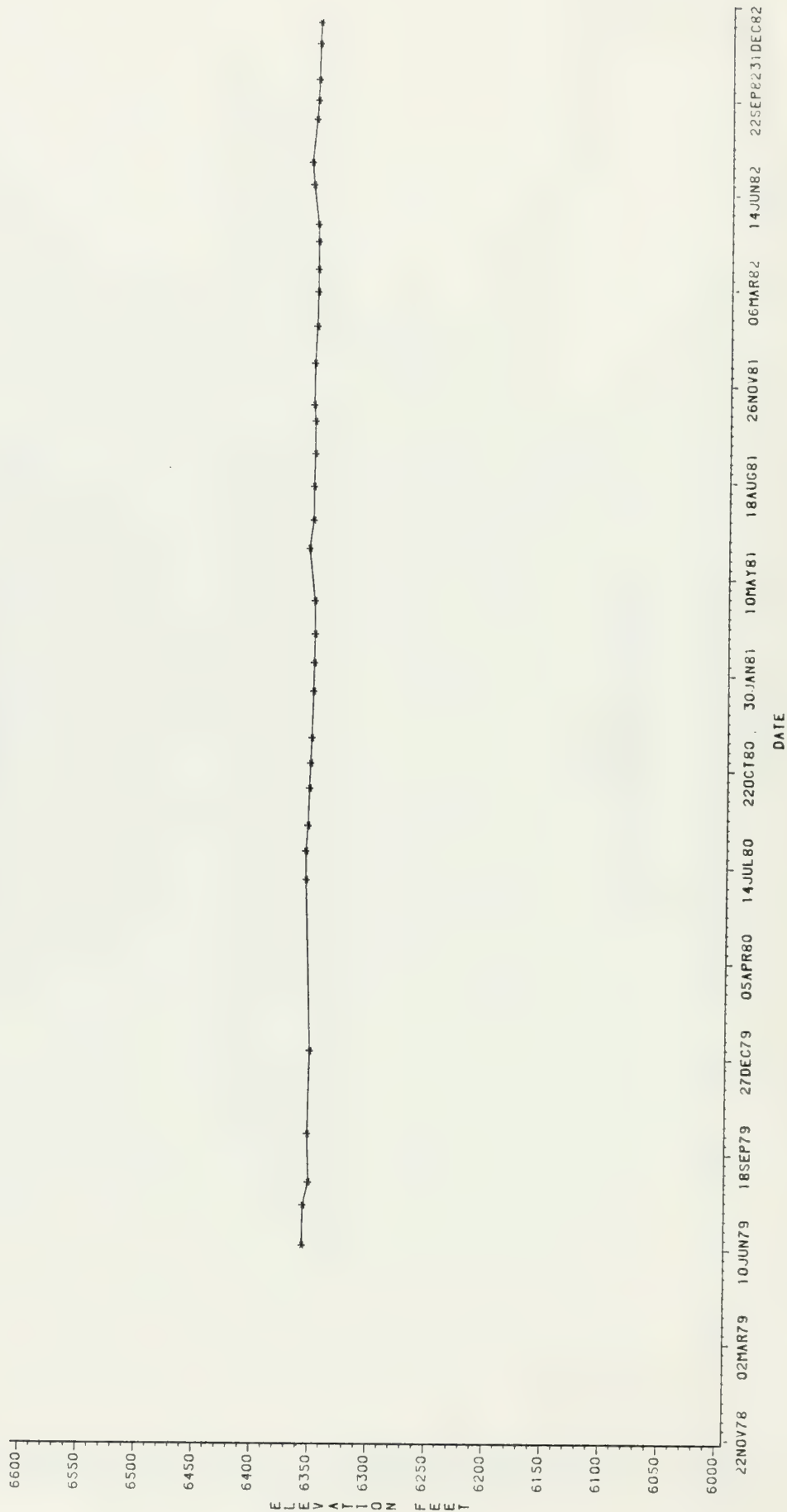
CB WELL LEVELS DATA

LOC=WA06



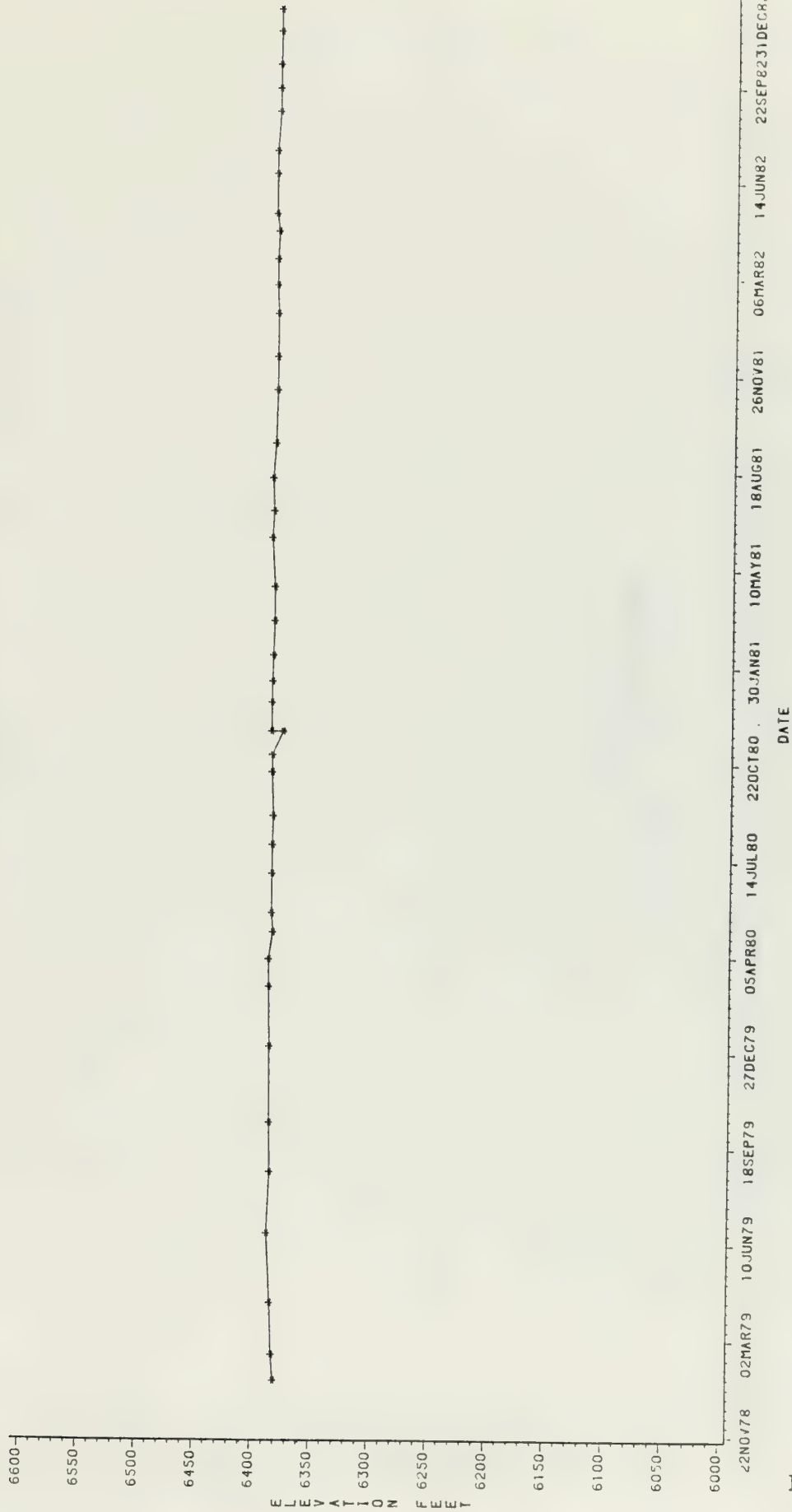
CB WELL LEVELS DATA

LOC=HA07



CB WELL LEVELS DATA

LDC=WA08



CB WELL LEVELS DATA

LOC=WA09



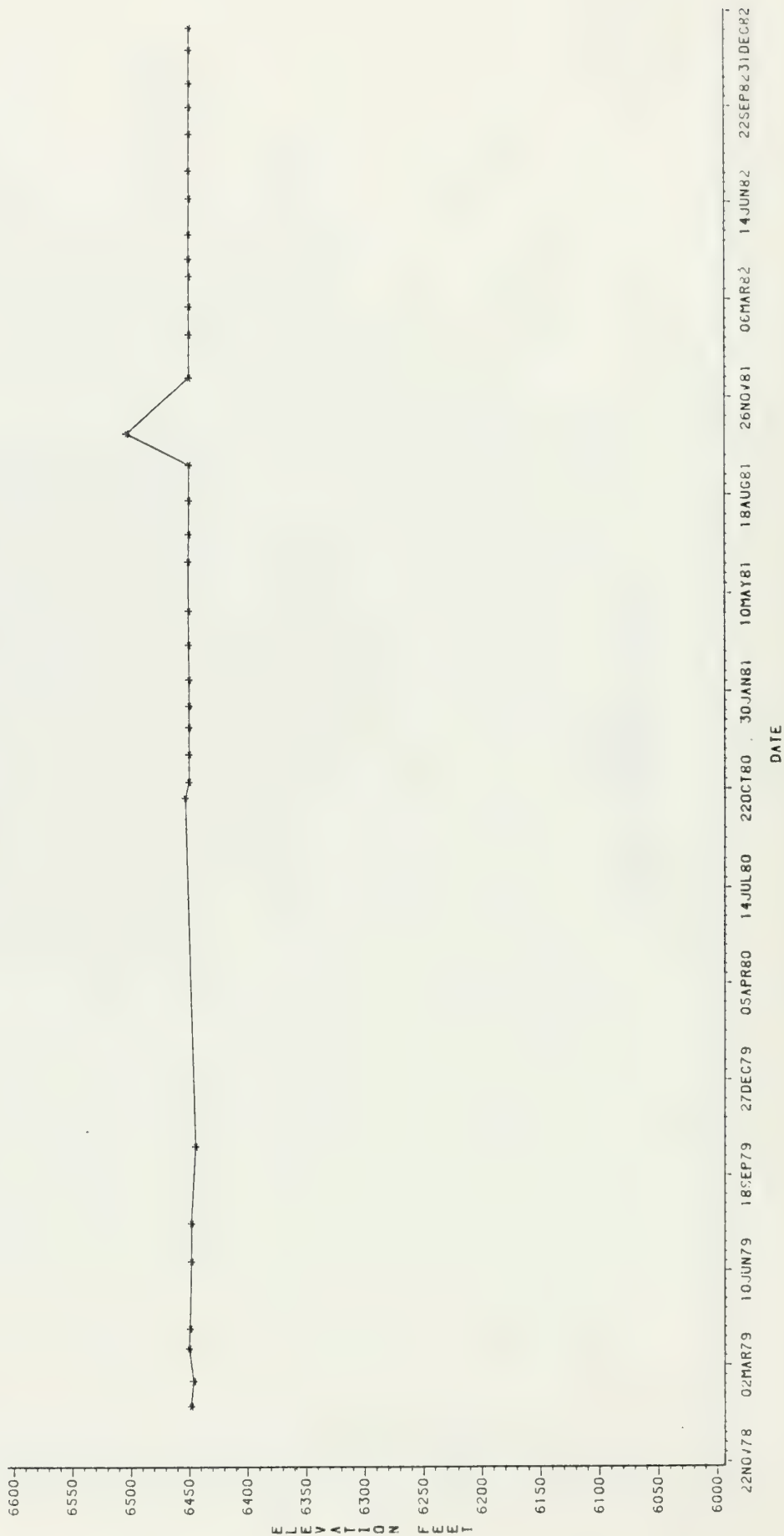
CB WELL LEVELS DATA

LOC=WA10



CB WELL LEVELS DATA

LOC=WA11



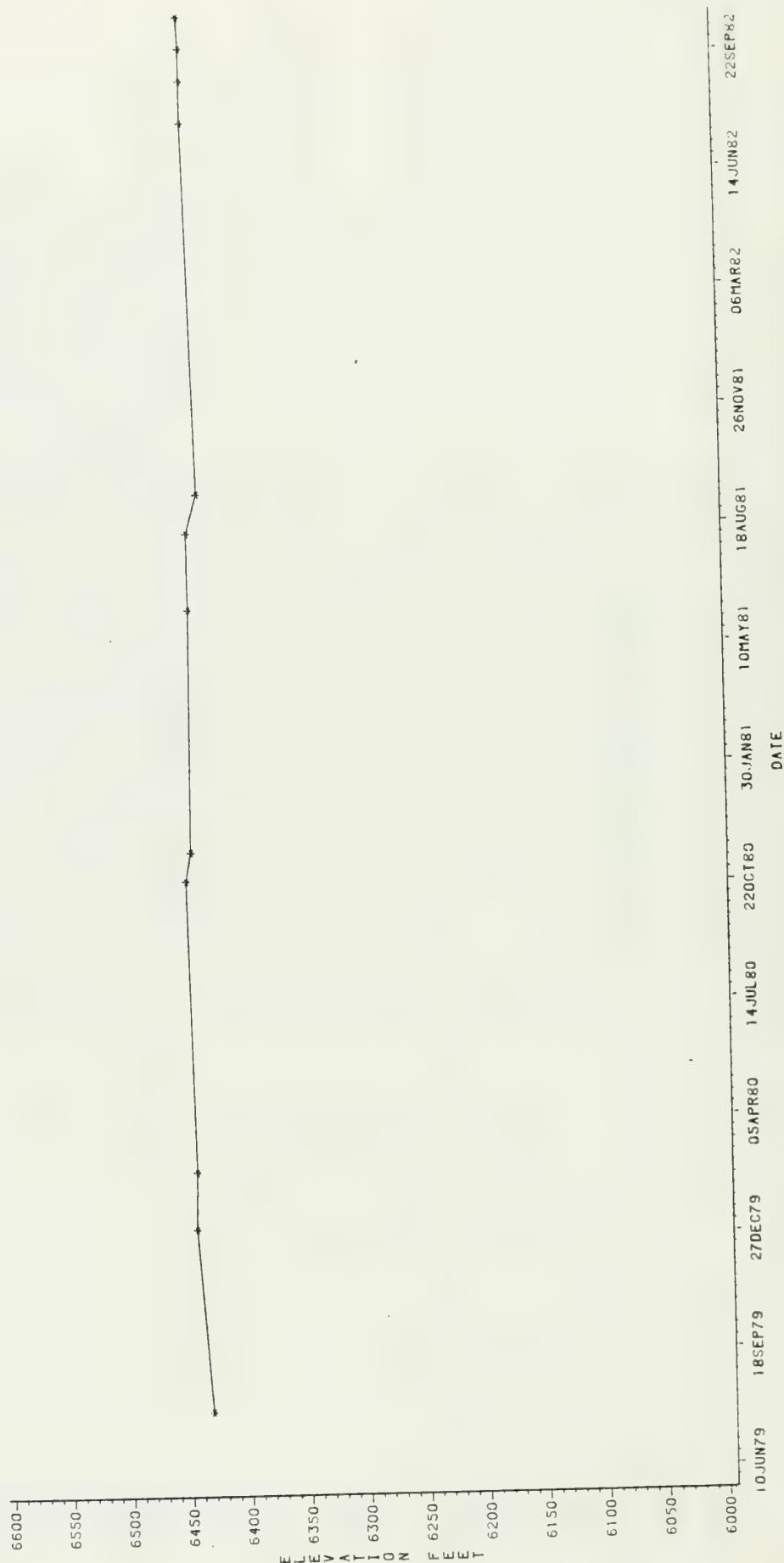
CB WELL LEVELS DATA

LOC=WA12



CB WELL LEVELS DATA

LQC=WA55



2.2.1.4 Upper Aquifer Wells

The close-in C-b Tract deep well monitoring network is presented in Figure 2.2.1.4-1. Remote well locations are shown in the jacket map, Exhibit A.

This section contains data for upper aquifer, upper Parachute Creek 1, (UPC₁) and upper Parachute Creek 2 (UPC₂) wells. Monitoring of the wells are required for the Interim Monitoring Program (IMP) and the Water Augmentation Plan (WAP), State of Colorado Court Decree.

Sampling frequency for these wells have changed during the IMP depending on location of the wells and purpose for monitoring; refer to Table 2.2-1 for frequency requirement of each well.

Time series plots of wells recompleted in Upper Parachute Creek 1 (UPC₁) and 2 (UPC₂) are presented in Levels and Flow Section 2.2.1. These wells are displayed as overlay plots of well strings located at the same sampling station.

The following list presents tables and figures of data reported in this section:

		<u>Page No.</u>
Table 2.2.1.4-1*	Water Levels In Upper Aquifer Wells	I-103
Table 2.2.1.4-2	Water Levels in Upper Aquifer Wells Required by WAP	I-104
Table 2.2.1.4-3*	Water Levels in Upper Parachute Creek 1	I-105
Table 2.2.1.4-4*	Water Levels in Upper Parachute Creek 2	I-107
Table 2.2.1.4-5*	Stevens Recorder Daily Water Levels - Upper Aquifer Wells	I-108
Table 2.2.1.4-6*	Stevens Recorder Daily Water Levels - Upper Parachute Creek 1	I-113
Table 2.2.1.4-7	Time Series Plots of Water Levels in Upper Aquifer Wells	I-118

* Stations reported in these data tables are required by the IMP.

TABLE 2.2.1.4-1

CH-1-101
WATER LEVELS IN UPPER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

WELL 10 - M.P. ELEV (FT)
AA32 AA44

YR	MO	DEPTH (FT)	DEPTH (FT)
82	6	5037	5038
	7	5036	5031
	8	5974	5029
	9	5969	5030
	10	5967	5490
	11		5468
	12	5909	5462

PLUGGD = WELL PLUGGED

DRY = WELL DRY

FLOUING = WELL FLOUING

INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-2

CB-TRACT
 WATER LEVELS IN UPPER AQUIFER WELLS
 REQUIRED BY WATER AUGMENTATION PLAN
 FOR SAMPLE DATE SHOWN

		WELL ID - MEASURING POINT ELEVATION (FT)						
		WX64	WX65	WX67	WX69	WX71	WX72	WX73
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
82	7	6767	6333	6307	6898		6758	7647
	10	6768	6332	6307	6898	DRY	6759	7646

PLUGGD = WELL PLUGGED

DRY = WELL DRY

FLWING = WELL FLOWING

INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-3

CB-FRACT
WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DAY	WD02 ELEV (FT)	WD11 ELEV (FT)	WD12 ELEV (FT)	WD14 ELEV (FT)	WD15 ELEV (FT)	WD17 ELEV (FT)	WD18 ELEV (FT)	WD19 ELEV (FT)
82	5	16	6403		6349	6030	6023			
		17						6059		
		22								6351
	7	12							6910	
		14			6350					
		16								6352
		19	6404			6093	6021			
	8	16	6405			6052	6094			
		17						6659		
		23			6351					
		31								6349
	9	20	6405			6027	6062			6349
		27		6349	6351					
	10	12				-				6349
		13	6404			6017	6045		6914	
		15						6060		
		26			6352					
	11	15			6351					
		17	6403			6006	6027			
		19								6349
	12	11			6350					6340
		12	6402			6001	6017	6055		

PLOGSD = WELL PLUGGED
 DRY = WELL DRY
 FLOWING = WELL FLOWING
 INACCS = WELL INACCESSABLE

TABLE 2.2.1.4-3 (Contd)

CST-1 FACI
WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

YR	MO	DAY	WD20 ELEV (FT)	WD21 ELEV (FT)	WD41 ELEV (FT)	WD51 ELEV (FT)	WD52 ELEV (FT)	WD57 ELEV (FT)	WD51 ELEV (FT)	WD90 ELEV (FT)	WD91 ELEV (FT)
82	6	16		6721	6616		6625		6631		6607
		17						6640			
		22	6329								
		24				6676				6673	
	7	12					6621				
		14		6719							
		17			6690				6634		
		25				6677				6671	
	8	16		6711	6607				6630		6497
		17						6640			
		23					6630				
		25				6672				6633	
		31	6329								
	9	7				-				6663	
		20	6329						6644		
		22					6633				
		24				6667				6661	
		28		6704							
	10	12	6329								
		13			6641				6640		
		14					6600				
		15						6640			
	11	1				6630				6634	
		15		6701							
		16								6632	
		17				6637	6696		6636		
		19	6328								
	12	11	6329	6701		6632				6647	
		12			6628		6693	6636	6636		

PLUGGED = WELL PLUGGED)
 DRY = WELL DRY
 FLOWING = WELL DRY
 INACCESS = WELL INACCESSABLE

TABLE 2.2.1.4-4

UPPER PARAGUAY

WATER LEVELS

UPPER PARAGUAY - CREEK 2

FOR SAMPLE DATE SHOWN

YR	MO	DAY	WE03 ELEV (FT)	WE04 ELEV (FT)	WE11 ELEV (FT)	WE17 ELEV (FT)	WE18 ELEV (FT)	WE20 ELEV (FT)	WE21 ELEV (FT)	WE41 ELEV (FT)	WE51 ELEV (FT)	WE52 ELEV (FT)	WE51 ELEV (FT)	WE51 ELEV (FT)	WE51 ELEV (FT)
82	6	16	6554	6603		6633			6702	6644		6655	6651	6651	6514
		17						6330							
		22													
		24									6321	6624			
7	12	12	6361	6603			6914		6644						
		14													
		17								6564			6554		
		17													
		26									6781				6486
8	10	16				6636			6688	6533				6550	
		17										6594			
		23	6363	6662											
		23									6731				
		31						6332						6544	
		20						6332							
		22	6345	6661								6544			
		24													
		24			6344				6630		6642				
10	12	12													
		13					6914	6331		6500		6542		6540	
		14		6654											
		17				6636									
11	1	1													
		17							6673		6633				
		17	6362	6634							6640	6542		6538	
		19						6331							
12	11	11						6331	6671		6624			6541	
		12	6362	6600		6633				6483		6588			

PLUGGED = WELL PLUGGED

DRY = WELL DRY

FLOWING = WELL FLOWING

INACCESSIBLE = WELL INACCESSIBLE

TABLE 2.2.1.4-5

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DY	DEPTH (FT)	DEPTH (FT)
82	6	1	6036.98	6635.62
		2	6036.98	6636.32
		3	6036.98	6636.27
		4	6036.97	6636.50
		5	6036.97	6636.97
		6	6036.97	6637.14
		7	6036.97	6636.99
		8	6036.97	6637.05
		9	6036.97	6637.45
		10	6036.97	6637.49
		11	6036.97	6637.52
		12	6036.97	6637.15
		13	6036.97	6636.35
		14	6036.98	6636.44
		15	6036.98	6636.68
		16	6036.98	6636.71
		17	6036.98	6637.32
		18	6036.99	6637.93
		19	6036.99	6638.33
		20	6036.98	6638.68
		21	6036.98	6639.18
		22	6036.99	6639.02
		23	6036.98	6638.83
		24	6036.99	6638.93
		25	6036.99	6639.18
		26	6036.99	6639.33
		27	6036.97	6639.54
		28	6036.96	6639.23
		29	6036.96	6639.37
		30	6036.97	6639.72
	7	1	6036.97	6636.75
		2	6036.97	6627.55
		3	6036.97	6619.66
		4	6036.97	6613.22
		5	6036.97	6607.54
		6	6036.97	6602.65
		7	6036.97	6597.30
		8	6036.98	6594.45
		9	6036.98	6590.83
		10	6036.98	6587.54
		11	6036.98	6584.57
		12	6036.98	6581.81
		13	6036.98	6579.17
		14	6036.98	6576.82
		15	6036.97	6574.51

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

YR	MO	DY	WELL ID - FT FROM GROUND LEVEL	
			WX32 DEPTH (FT)	WX38 DEPTH (FT)
82	7	16	6036.92	6572.30
		17	6036.92	6571.63
		18	6036.92	6571.63
		19	6036.92	6571.63
		20	6036.92	6564.53
		21	6036.92	6562.72
		22	6036.92	6561.02
		23	6036.92	6559.34
		24	6036.92	6557.76
		25	6036.92	6556.16
		26	6036.93	6554.66
		27	6036.93	6553.25
		28	6036.93	6552.53
		29	6036.93	
		30	6036.93	
		31	6017.68	
	8	9		6534.72
		10		6533.82
		11		6532.91
		12		6531.96
		13		6531.07
		14		6530.18
		15		6529.23
		16		6528.37
		17		6527.53
		18		6526.98
		19		6526.97
		20		6526.98
		21		6526.97
		22		6526.96
		23		6526.96
		24		6526.96
		25		6526.96
		26		6526.96
		27		6526.95
		28		6526.96
		29		6526.95
		30		6526.95
		31		6526.96
9	9	1		6516.61
		2		6516.01
		3		6515.59
		4		6514.84
		5		6514.23
		6		6513.69

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DAY	DEPTH (FT)	DEPTH (FT)
82	9	7		6513.09
		8		6512.55
		9		6512.12
		10		6511.67
		11		6510.62
		12		6510.07
		13		6509.47
		14		6508.97
		15		6508.40
		16		6507.79
		17		6507.31
		18		6506.79
		19		6506.58
		20		6505.41
		21		6504.94
		22		6504.46
		23		6503.98
		24		6503.56
		25		6503.34
		26		6502.96
		27		6502.52
		28		6502.07
		29		6501.61
		30		6501.11
	10	1		6500.66
		2		6500.21
		3		6499.86
		4		6499.28
		5		6498.96
		6		6498.63
		7		6498.13
		8		6497.62
		9		6497.31
		10		6496.90
		11		6496.44
		12		6496.03
		13		6495.72
		14		6495.36
		15		6495.09
		16		6494.88
		17		6494.50
		18		6494.11
		19		6493.81
		20		6493.38
		21		6493.04

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DAY	DEPTH (FT)	DEPTH (FT)

82	10	22		6492.75
		23		6492.48
		24		6492.22
		25		6492.07
		26		6491.66
		27		6491.38
		28		6491.16
		29		6490.92
		30		6490.63
		31		6490.25
	11	1		6489.98
		2		6489.68
		3		6489.41
		4		6489.12
		5		6488.95
		6		6488.72
		7		6488.52
		8		6488.22
		9		6488.09
		10		6487.85
		11		6487.46
		12		6487.15
		13		6486.81
		14		6486.63
		15		6486.39
		16		6486.24
		17		6486.08
		18		6485.85
		19		6485.61
		20		6485.39
	21		6485.13	
22		6484.78		
23		6484.51		
24		6484.19		
25		6483.91		
26		6483.84		
27		6483.67		
28		6483.53		
29		6483.49		
30		6483.54		
12	1		6483.09	
	2		6482.78	
	3		6482.61	
	4		6482.37	
	5		6482.20	

TABLE 2.2.1.4-5 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WX32	WX38
YR	MO	DY	DEPTH (FT)	DEPTH (FT)

82	12	6		6481.91
		7		6481.53
		8		6481.47
		9		6481.28
		10		6480.99
		11		6480.95

TABLE 2.2.1.4-6

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER PARACHUTE - CREEK 1
 FOR SAMPLE DATE SHOWN

YR	MO	DY	WD12	WD90
			DEPTH (FT)	DEPTH (FT)
82	6	1	6349.26	
		2	6349.25	
		3	6349.20	
		4	6349.25	
		5	6349.33	
		6	6349.19	
		7	6349.17	
		8	6349.20	
		9	6349.17	
		10	6349.24	
		11	6349.29	
		12	6349.34	
		13	6349.38	
		14	6349.41	
		15	6349.38	
		16	6349.35	
		17	6349.38	
		18	6349.36	
		19	6349.35	
		20	6349.37	
		21	6349.39	
		22	6349.42	
		23	6349.41	
		24	6349.47	
		25	6349.50	
		26	6349.53	
		27	6349.56	
		28	6349.65	
		29	6349.66	
		30	6349.67	
7	7	1	6349.73	
		2	6349.70	
		3	6349.72	
		4	6349.84	
		5	6349.92	
		6	6349.81	
		7	6349.80	
		8	6349.92	
		9	6349.94	
		10	6349.95	
		11	6349.99	
		12	6350.04	
		13	6350.04	
		14	6350.09	
		15	6350.17	

TABLE 2.2.1.4-6 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER PARACHUTE - CREEK 1
 FOR SAMPLE DATE SHOWN

YR	MO	DAY	WD12 DEPTH (FT)	WD90 DEPTH (FT)
<hr/>				
82	7	16	6350.24	
		17	6350.22	
		18	6350.22	
		19	6350.21	
		20	6350.21	
		21	6350.23	
		22	6350.24	
		23	6350.28	
		24	6350.36	
		25	6350.45	
		26	6350.46	
		27	6350.48	
		28	6350.48	
		29	6350.53	
		30	6350.54	
		31	6350.56	
	8	1	6350.65	
		2	6350.74	
		3	6350.75	
		4	6350.75	
		5	6350.72	
		6	6350.75	
		7	6350.78	
		8	6350.84	
		9	6350.90	
		10	6350.98	
		11	6350.99	
		12	6351.01	
		13	6351.04	
		23	6351.28	
		24	6351.25	
		25	6351.26	
		26	6351.26	
		27	6351.24	
		28	6351.24	
		29	6351.24	
		30	6351.25	
		31	6351.24	
	9	1	6351.18	
		2	6351.19	
		3	6351.25	
		4	6351.26	
		5	6351.27	
		6	6351.29	
		7	6351.31	

TABLE 2.2.1.4-6 (Contd)

CB-FRACT
 STEVENS RECORDER WATER LEVELS
 UPPER PARACHUTE - CREEK 1
 FOR SAMPLE DATE SHOWN

			*D12	*D90	
YR	MO	DY	DEPTH (FT)	DEPTH (FT)	
82	9	8	6351.32		
		9	6351.36		
		10	6351.46		
		11	6351.51		
		12	6351.51		
		13	6351.54		
		14	6351.39		
		15	6351.42		
		16	6351.43		
		17	6351.39		
		18	6351.41		
		19	6351.44		
		20	6351.44		
		21	6351.42		
		22	6351.42		
		23	6351.44		
		24	6351.40		
		25	6351.44		
		26	6351.50		
		27	6351.68		
		28	6351.64		
		29	6351.59		
		30	6351.56		
		10	1	6351.42	
			2	6351.34	
			3	6351.36	
			4	6351.41	
			5	6351.37	
			6	6351.30	
			7	6351.38	
		8	6351.37		
		9	6351.24		
		10	6351.18		
	11	6351.23			
	12	6351.16			
	13	6351.13			
	14	6351.12			
	15	6351.10			
	16	6351.12			
	17	6351.16			
	18	6351.21			
	19	6351.10			
	20	6351.10			
	21	6351.09			
	22	6351.04			

TABLE 2.2.1.4-6 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 UPPER PARACHUTE - CREEK 1
 FOR SAMPLE DATE SHOWN

YR	MO	DY	WD12	WD90	
			DEPTH (FT)	DEPTH (FT)	
82	10	23	6351.06		
		24	6351.06		
		25	6351.11		
		26	6351.15		
		27	6351.12		
		28	6351.04		
		29	6351.08		
		30	6351.11		
		31	6351.05		
		11	1	6351.01	6654.42
			2	6350.86	6654.07
			3	6350.81	6654.02
			4	6350.85	6653.95
			5	6350.89	6653.82
			6	6350.94	6653.80
			7	6351.01	6653.70
			8	6351.02	6653.60
			9	6350.94	6653.18
			10	6350.94	6653.12
			11	6350.84	6652.83
			12	6350.69	6652.45
			13	6350.72	6652.33
			14	6350.64	6652.05
			15	6350.71	6652.04
			16	6350.78	6651.98
			17	6350.84	6651.91
			18	6350.88	6651.80
		19	6350.89	6651.48	
		20	6350.82	6651.13	
		21	6350.74	6650.97	
		22	6350.75	6650.74	
	23	6350.62	6650.40		
	24	6350.58	6650.32		
	25	6350.56	6650.01		
	26	6350.50	6649.86		
	27	6350.61	6649.76		
	28	6350.71	6649.91		
	29	6350.76	6649.88		
	30	6350.94	6649.89		
12	1		6649.77		
	2		6649.10		
	3		6648.74		
	4		6648.70		
	5		6648.56		
	6		6648.56		

TABLE 2.2.1.4-6 (Contd)

CB-TRACT
STEVENS RECORDER WATER LEVELS
UPPER PARACHUTE - CREEK 1
FOR SAMPLE DATE SHOWN

			WD12	WD90
YR	MO	DY	DEPTH (FT)	DEPTH (FT)
<hr/>				
82	12	7		6648.28
		8		6647.96
		9		6647.96
		10		6647.95
		11		6647.76

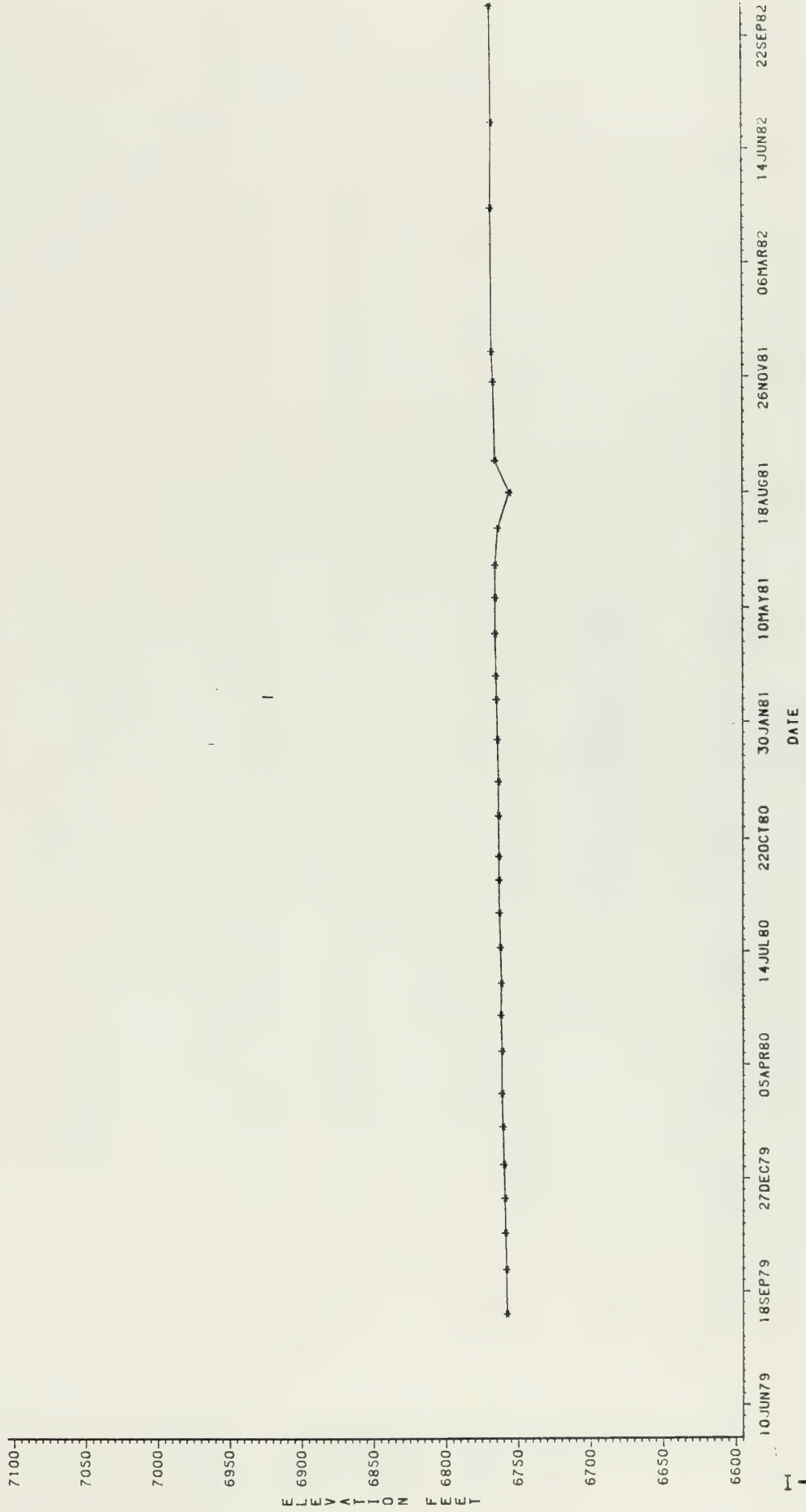
TABLE 2.2.1.4-7

PLOTS OF WATER LEVELS IN UPPER AQUIFER WELLS

<u>Well No.</u>	<u>Computer Code</u>	<u>Page No.</u>
TH75-5A	WX64	I-119
TH75-13A	WX65	I-120
TH75-18A	WX67	I-121
TH75-9A	WX69	I-122
CER RB-D-02	WX71	I-123
TH75-15A	WX72	I-124
UNION 8-1	WX73	I-125
TH-5	WX75	I-126

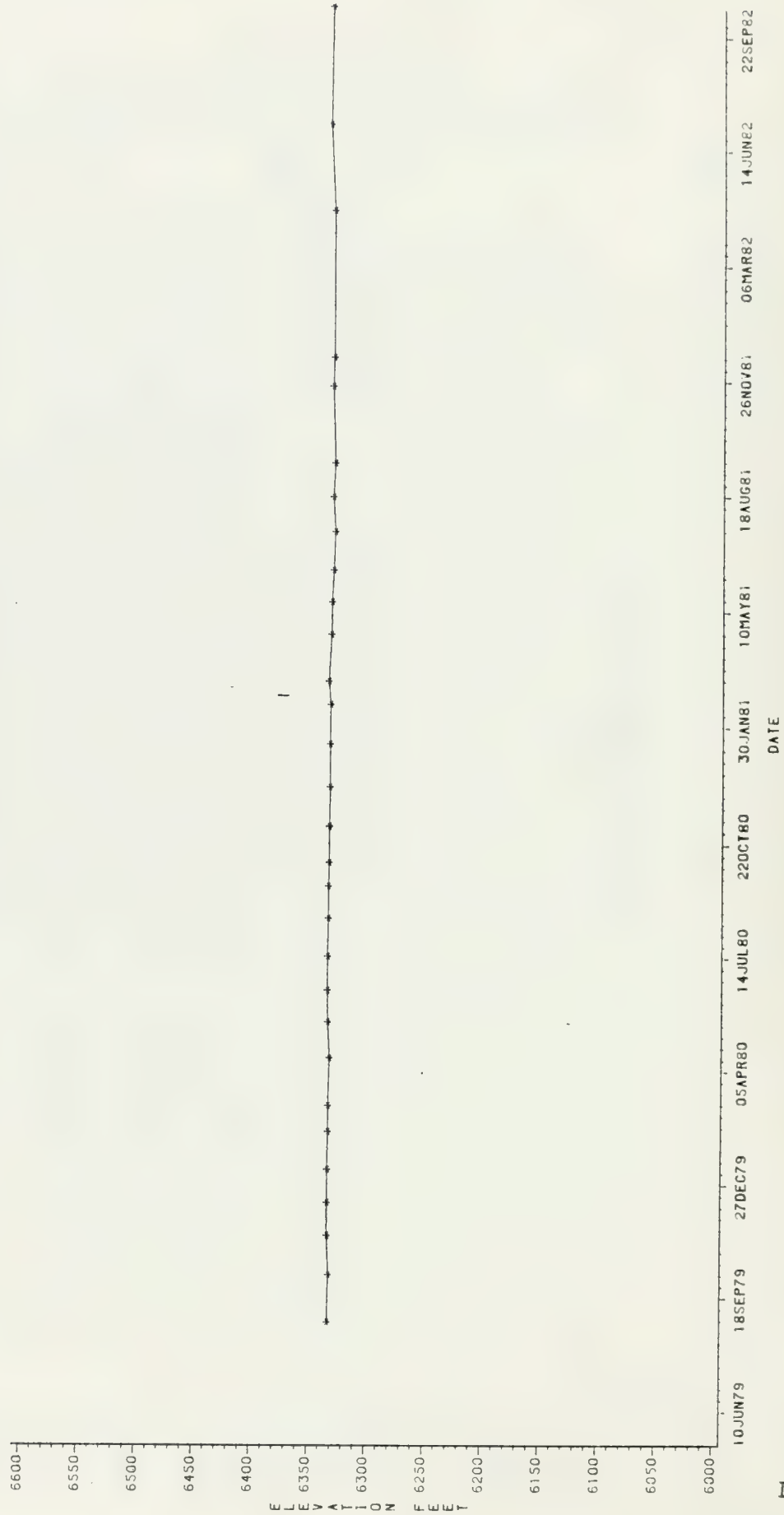
CB WELL LEVELS DATA

LOC=WX64



CB WELL LEVELS DATA

LOC=WX65



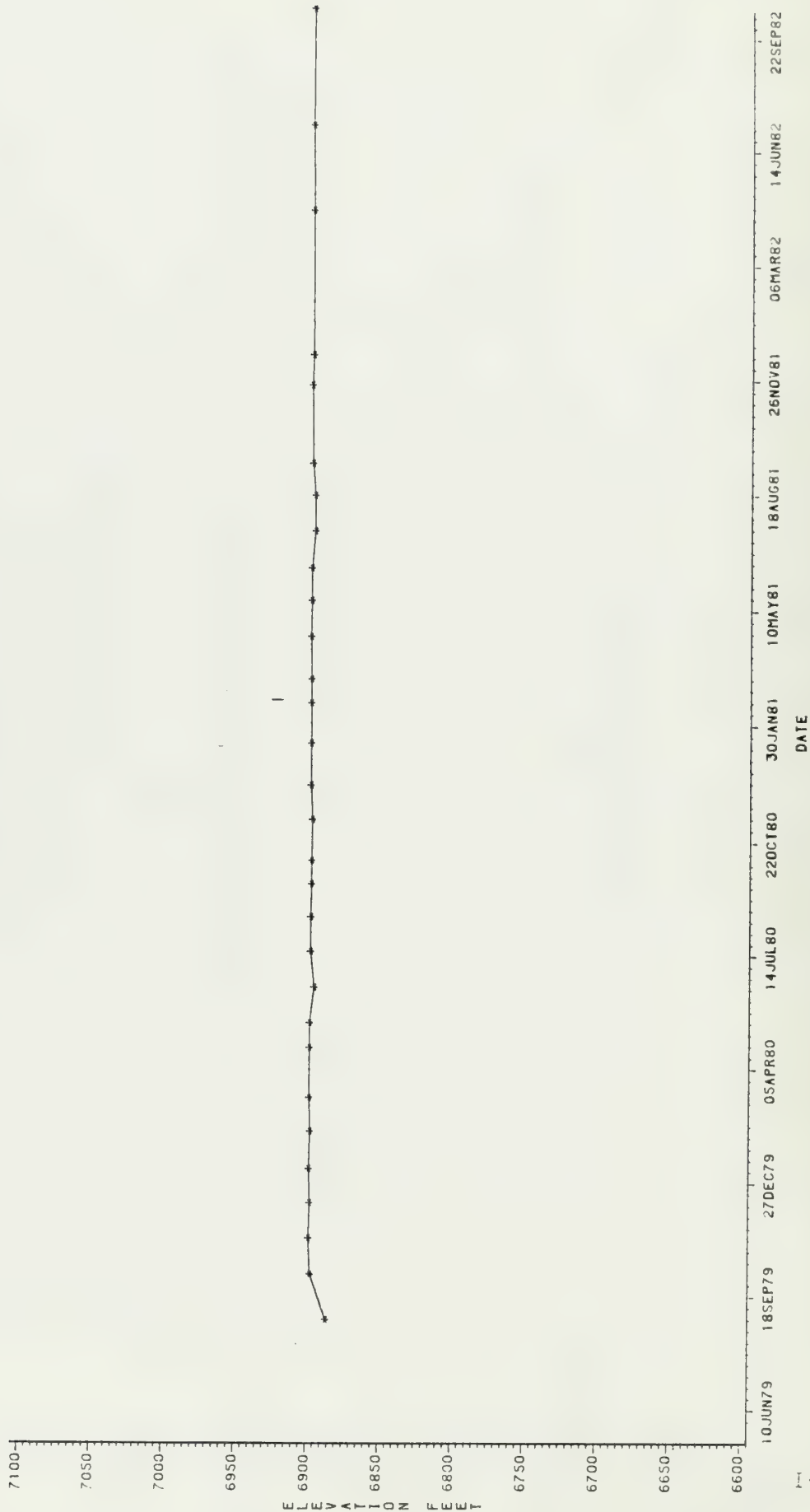
CB WELL LEVELS DATA

LOC=WX67



CB WELL LEVELS DATA

LOC--WX69



ELEVATION FEET

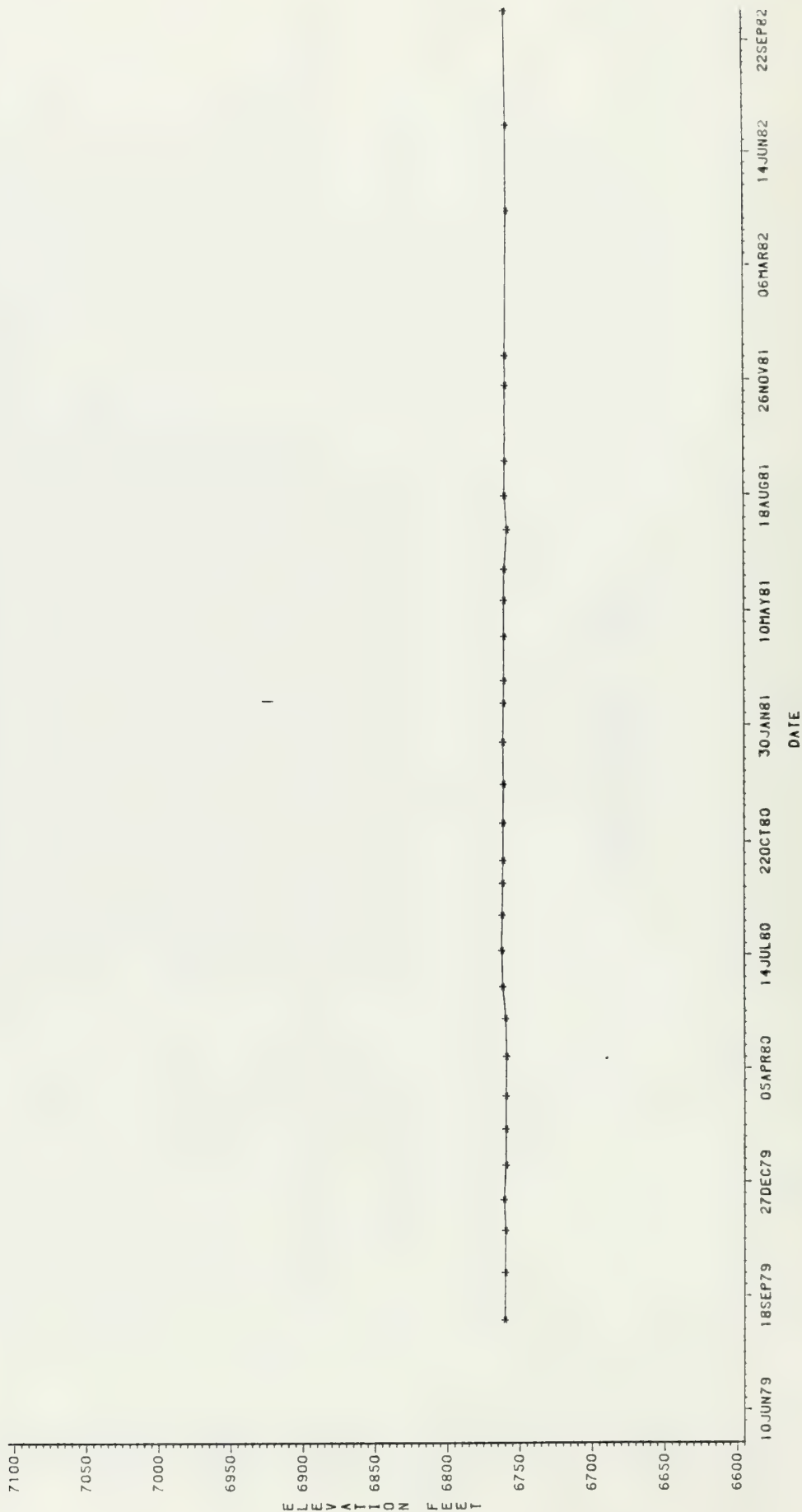
CB WELL LEVELS DATA

LOC=WX71



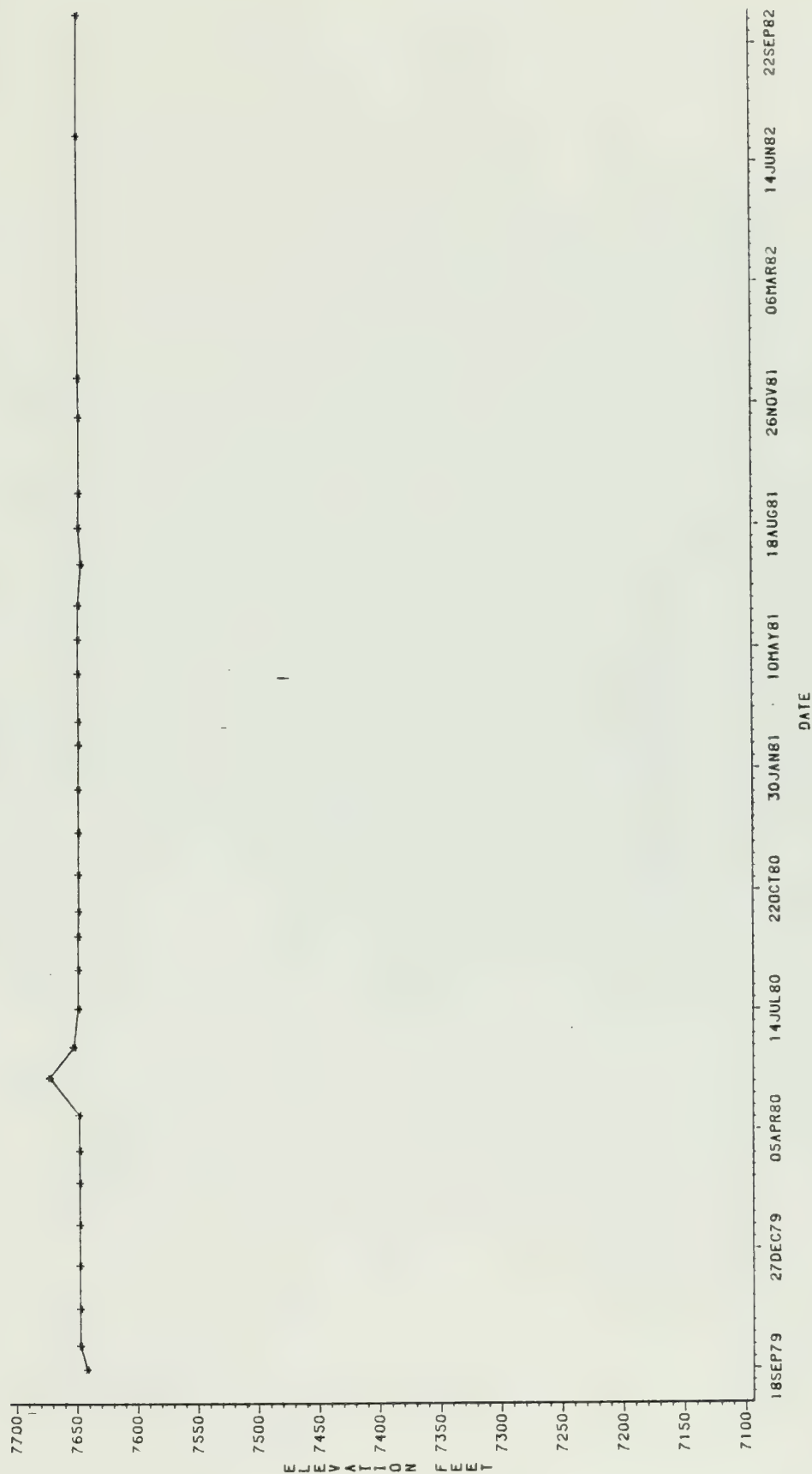
CB WELL LEVELS DATA

LOC=WX72



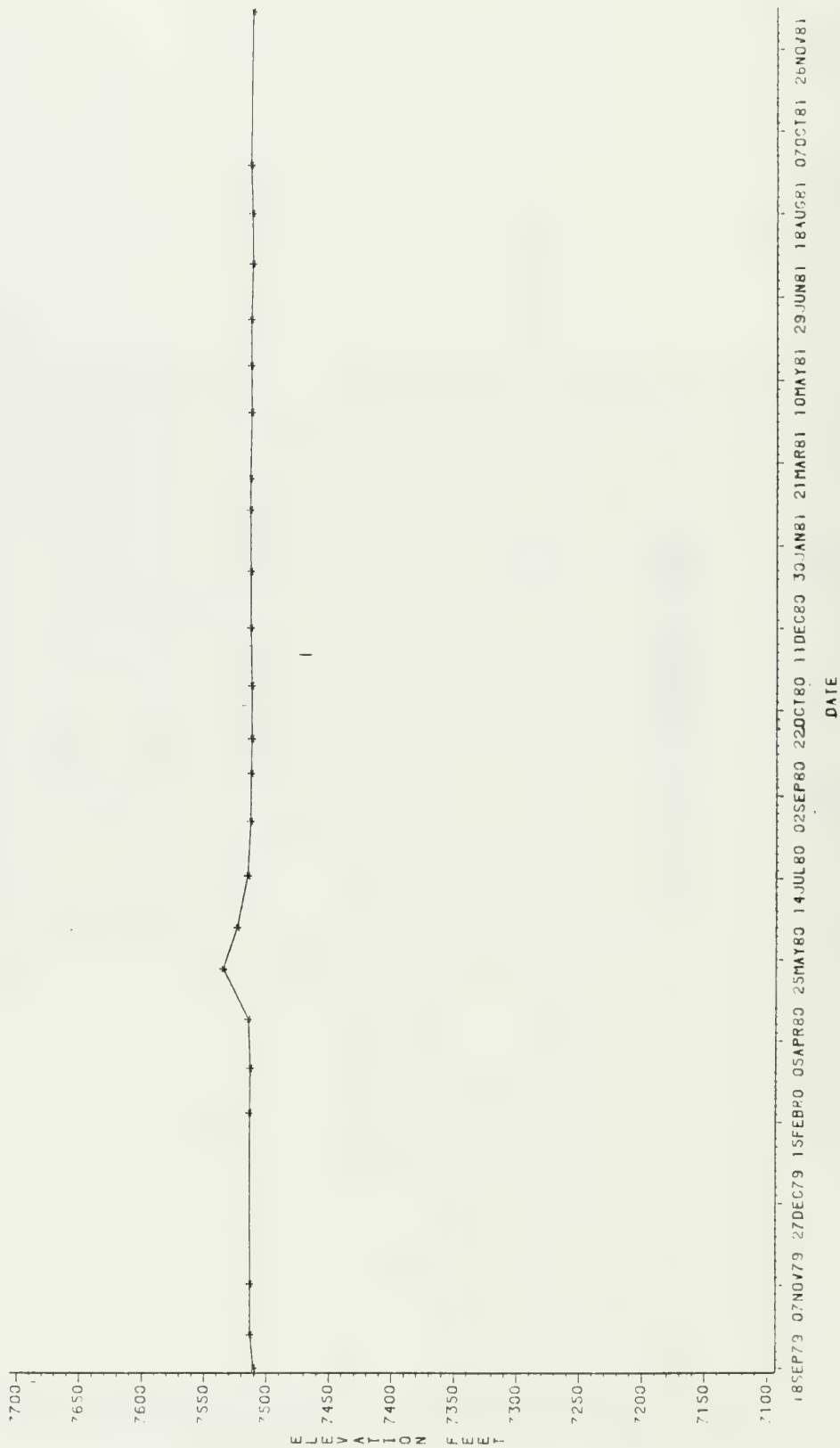
CB WELL LEVELS DATA

LOC=WX73



CB WELL LEVELS DATA

LOC=WX75



2.2.1.5 Lower Aquifer Wells

C-b Tract deep well monitoring network is presented in Figure 2.2.1.5-1; refer to jacket map, Exhibit A for off-Tract lower aquifer wells.

This section contains data for lower aquifer, lower Parachute Creek 3 (LPC₃) and lower Parachute Creek 4 (LPC₄) wells. Monitoring of the wells are required by the Interim Monitoring Program (IMP) and the Water Augmentation Plan (WAP), State of Colorado Court Decree.

Sampling frequencies have changed during the IMP depending on location of the wells and purpose for monitoring; refer to Table 2.2-1 for frequency requirement of each well.

Time series plots of wells recompleted in Lower Parachute Creek 3 (LPC₃) and 4 (LPC₄) are presented in Levels and Flows Section 2.2.1. These wells are displayed as overlay plots of well strings located at the same sampling station.

The following list presents tables and figures for data reported in this section.

		<u>Page No.</u>
Table 2.2.1.5-1*	Water Levels in Lower Aquifer Wells	I-129
Table 2.2.1.5-2	Water Levels in Lower Aquifer Wells Required by WAP	I-130
Table 2.2.1.5-3*	Water Levels - Lower Parachute Creek	I-131
Table 2.2.1.5-4*	Stevens Recorder Daily Water Levels - Lower Aquifer Wells	I-132
Table 2.2.1.5-5*	Stevens Recorder Daily Water Levels - For Lower Parachute Creek	I-135
Table 2.2.1.5-6	Time Series Plots of Water Levels in Lower Aquifer Wells	I-139

* Stations reported in these data tables are required by the IMP.



Figure 2.2.1.5-1
DEEP WELL MONITORING NETWORK NEAR
C-b TRACT

TABLE 2.2.1.5-1

CO-TRACT
WATER LEVELS IN LOWER AQUIFER WELLS
FOR SAMPLE DATE SHOWN

		WELL I.D.M.P. ELEV (FT)			
		WY44	WY45	WY46	WY81
YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
82	6	6570	6573	6580	6535
	7	6494	6476	6479	6534
	8	6437	6426	6442	6534
	9	6411	6400	6402	6533
	10	6397	6380	6384	6532
	11	6387	6363		6532
	12	6375	6350	6352	6531

PLUGGED = WELL PLUGGED

DRY = WELL DRY

FLOWING = WELL FLOWING

INACCESS = WELL INACCESSABLE

TABLE 2.2.1.5-2

CB-TRACT
WATER LEVELS IN LOWER AQUIFER WELLS
REQUIRED BY WATER AUGMENTATION PLAN
FOR SAMPLE DATE SHOWN

YR	MO	WELL ID - MEASURING POINT ELEVATION (FT)										DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
		WY64	WY65	WY67	WY68	WY69	WY70	WY71	WY72	WY75	WY76	WY77	WY78	WY79				
		DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)				
82	7	6437	6311	6233	6487	6885	6959	6571	6773	6771	6870		7085	6626				
	10	6437	6312	6233	6486	6885	6959	6570	6774	6770	6859	5	7075	6626				

PLUGGD = WELL PLUGGED
 DRY = WELL DRY
 FLWING = WELL FLOWING
 INACCS = WELL INACCESSABLE

TABLE 2.2.1.5-3

UB-TRACI
WATER LEVELS FOR LOWER PARACUILE GREEN
FOR SAMPLE DATE SHOWN

00 - LPO3

WH - LPO4

YR	MO	DT	W012 ELEV (F1)	W017 ELEV (F1)	W018 ELEV (F1)	W020 ELEV (F1)	W021 ELEV (F1)	W041 ELEV (F1)	W051 ELEV (F1)	W052 ELEV (F1)	W061 ELEV (F1)	W091 ELEV (F1)	WH21 ELEV (F1)
02	0	10	0283				0702	0382		0407	0331	0420	0702
		17		0033									
	7	24			0041				0742				
		12								0483			
		14	0283			0098					0470		0698
		14						0493					
		26			0341			0449	0350				
	8	10						0449			0421	0400	0688
		17		0636									
		23	0283							0480			
		23							0301				
		20									0300		
		22								0473			
		24							0469				
		26				0000							0000
		29	0284										
10	13				0040			0384			0300		
		14		0030									
		15											
		20	0284							0472			
11	1												
		15	0282			0073			0443				0074
		17							0433		0349		
		19				0331							
12	11	0200				0331	0071		0419				0070
		12		0033				0302		0402	0338		

PLUGGED = WELL PLUGGED
DRY = WELL DRY
FLOWING = WELL FLOWING
INACCESSIBLE = WELL INACCESSIBLE

TABLE 2.2.1.5-4

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 LOWER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL
			WY44
YR	MO	DAY	DEPTH (FT)

82	6	1	6577.83
		2	6577.42
		3	6576.71
		4	6576.39
		5	6576.00
		6	6575.50
		7	6574.98
		8	6574.40
		9	6574.15
		10	6573.77
		11	6573.53
		12	6573.27
		13	6572.11
		14	6571.65
		15	6571.28
		16	6570.10
		17	6570.08
		18	6570.02
		19	6569.74
		20	6569.43
		21	6568.98
		22	6568.47
		23	6567.89
		24	6567.57
		25	6567.22
		26	6566.85
		27	6566.47
		28	6565.65
		29	6564.97
		30	6564.33
7		1	6563.32
		2	6558.79
		3	6553.05
		4	6547.41
		5	6542.11
		6	6537.03
		7	6532.48
		8	6528.15
		9	6524.00
		10	6520.10
		11	6516.40
		12	6512.83
		13	6509.49
		14	6506.33
		15	6503.18

TABLE 2.2.1.5-4 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 LOWER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL
			WY44
YR	MO	DY	DEPTH (FT)
<hr/>			
82	7	16	6500.19
		17	6497.20
		18	6494.40
		19	6493.87
		20	6491.01
		21	6488.09
		22	6479.25
		23	6483.04
		24	6481.06
		25	6479.03
		26	6469.27
		27	6474.05
		28	6472.04
		29	6470.07
		30	6468.03
		31	6459.30
	8	1	6464.04
		2	6462.11
		3	6460.19
		4	6459.11
		5	6450.28
		6	6449.21
		7	6454.12
		8	6452.09
		9	6449.22
		10	6455.01
		11	6453.03
		12	6452.02
		13	6450.06
		14	6449.03
		15	6440.31
		16	6439.23
		17	6444.04
		18	6443.02
		19	6441.14
		20	6440.02
		21	6439.06
		22	6430.25
		23	6429.24
		24	6435.03
		25	6434.04
		26	6432.19
		27	6431.01
		28	6430.03
		29	6429.04

TABLE 2.2.1.5-4 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS
 LOWER AQUIFER WELLS
 FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL
			WY44
YR	MO	DAY	DEPTH (FT)
<hr/>			
82	8	30	6428.05
		31	6420.27
	9	1	6419.21
		2	6424.10
		3	6423.01
		4	6422.05
		5	6421.01
		6	6420.02
		7	6420.35
		8	6419.39
		9	6418.45
		10	6417.56
		11	6416.59
		12	6415.12
		13	6414.65
		14	6413.63
		15	6412.75
		16	6411.81
		17	6410.95
		18	6410.04
		19	6409.19
		20	6407.76
		21	6410.28
		22	6409.41
		23	6408.59
		24	6407.75
		25	6406.94
		26	6406.34
		27	6405.53
		28	6404.69
		29	6403.85
		30	6403.01
	10	1	6402.14
		2	6401.33
		3	6400.64
		4	6400.00
		5	6397.56
		6	6396.64
		7	6395.94
		8	6394.11

TABLE 2.2.1.5-5

CH-TRACT
 STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
 FOR SAMPLE DATE SHOWN

WG - LPC3

WH - LPC4

YR	MO	DAY	DEPTH (FT)

82	6	1	6251.77
		2	6252.11
		3	6252.41
		4	6252.62
		5	6252.97
		6	6280.69
		7	6281.07
		8	6281.63
		9	6281.88
		10	6282.17
		11	6282.45
		12	6282.66
		13	6282.87
		14	6283.09
		15	6283.19
		16	6283.29
		17	6283.48
		18	6283.61
		19	6283.70
		20	6283.80
		21	6283.93
		22	6284.02
		23	6284.10
		24	6284.20
		25	6284.36
		26	6284.40
		27	6284.50
		28	6284.66
		29	6284.78
		30	6284.84
7		1	6284.93
		2	6284.94
		3	6284.98
		4	6285.10
		5	6285.19
		6	6285.18
		7	6285.19
		8	6285.24
		9	6285.28
		10	6285.30
		11	6285.33
		12	6285.36
		13	6285.40
		14	6285.45

TABLE 2.2.1.5-5 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
 FOR SAMPLE DATE SHOWN

WG - LPC3

WH - LPC4

YR	MO	DAY	WG12 DEPTH (FT)
82	7	15	6285.53
		16	6285.54
		17	6285.54
		18	6285.55
		19	6285.58
		20	6285.62
		21	6285.65
		22	6285.69
		23	6285.80
		24	6285.93
		25	6285.96
		26	6285.98
		27	6285.99
		28	6286.03
		29	6286.07
		30	6286.11
		31	6286.11
	8	1	6286.16
		24	6284.52
		25	6284.52
		26	6284.69
		27	6284.42
		28	6284.31
		29	6284.31
		30	6284.30
		31	6284.32
	9	1	6284.28
		2	6283.97
		3	6283.95
		4	6283.95
		5	6283.94
		6	6283.93
		7	6283.94
		8	6283.94
		9	6283.95
		10	6283.99
		11	6284.01
		12	6284.03
		13	6284.09
		14	6283.97
		15	6283.99
		16	6284.51
		17	6284.46
		18	6284.45

TABLE 2.2.1.5-5 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
 FOR SAMPLE DATE SHOWN

WG - LPC3

WH - LPC4

			WG12
YR	MO	DY	DEPTH (FT)
<hr/>			
82	9	19	6284.48
		20	6284.40
		21	6284.43
		22	6284.42
		23	6284.42
		24	6284.37
		25	6284.38
		26	6284.41
		27	6284.57
		28	6284.54
		29	6284.49
		30	6284.45
	10	1	6284.32
		2	6284.23
		3	6284.20
		4	6284.20
		5	6284.20
		6	6284.24
		7	6284.18
		8	6284.21
		9	6284.22
		10	6284.11
		11	6284.05
		12	6284.08
		13	6284.01
		14	6283.95
		15	6283.92
		16	6283.90
		17	6283.91
		18	6283.94
		19	6283.90
		20	6283.80
		21	6283.79
		22	6283.74
		23	6283.69
		24	6283.68
		25	6283.67
		26	6283.69
		27	6283.70
		28	6283.05
		29	6283.57
		30	6283.59
		31	6283.60
11	1		6283.55

TABLE 2.2.1.5-5 (Contd)

CB-TRACT
 STEVENS RECORDER WATER LEVELS FOR LOWER PARACHUTE CREEK
 FOR SAMPLE DATE SHOWN

WG - LPC3

WM - LPC4

YR	MO	DAY	WG12 DEPTH (FT)
82	11	2	6283.48
		3	6283.38
		4	6283.33
		5	6283.35
		6	6283.37
		7	6283.38
		8	6283.40
		9	6283.40
		10	6283.33
		11	6283.31
		12	6283.24
		13	6283.14
		14	6283.14
		15	6283.14
		16	6283.05
		17	6283.10
		18	6283.11
		19	6283.12
		20	6283.16
		21	6283.12
		22	6283.08
		23	6283.03
		24	6283.02
		25	6282.98
		26	6283.18
		27	6283.05
		28	6282.98
		29	6282.99
		30	6283.10
12		1	6283.08
		2	6283.08

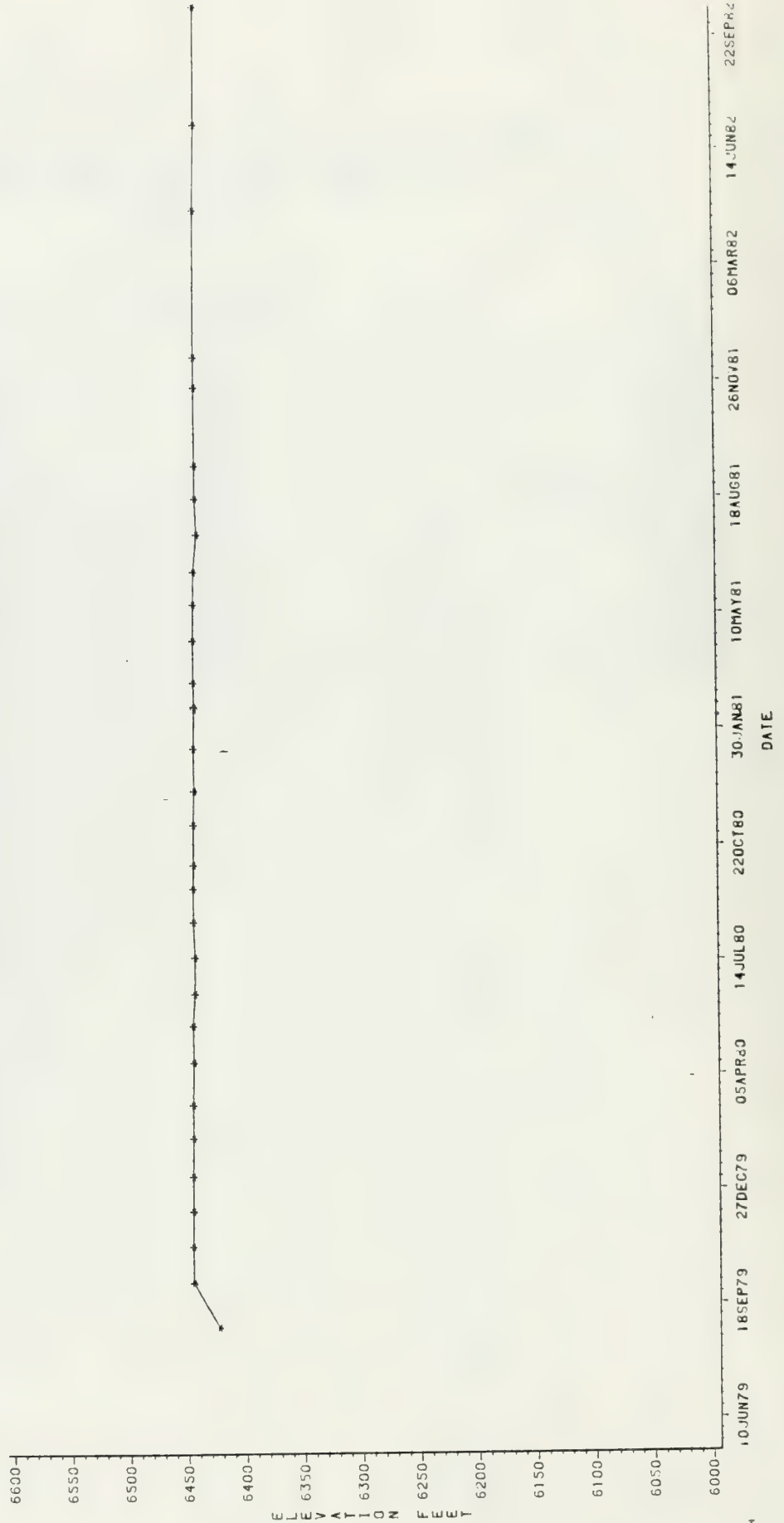
TABLE 2.2.1.5-6

TIME SERIES PLOTS OF WAP LEVELS IN LOWER
AQUIFER WELLS

<u>Well No.</u>	<u>Computer Code</u>	<u>Page No.</u>
TH75-5R	WY64	I-140
TH75-13B	WY65	I-141
EQUITY-1	WY66	I-142
TH75-18B	WY67	I-143
TH75-10B	WY68	I-144
TH75-9B	WY69	I-145
EQUITY-SULFUR-1A	WY70	I-146
CER RB-D-03	WY71	I-147
TH75-15B	WY72	I-148
TG71-3	WY75	I-149
TG71-5	WY76	I-150
GETTY 9-40	WY77	I-151
TG71-4	WY78	I-152
EQUITY BS-13	WY79	I-153

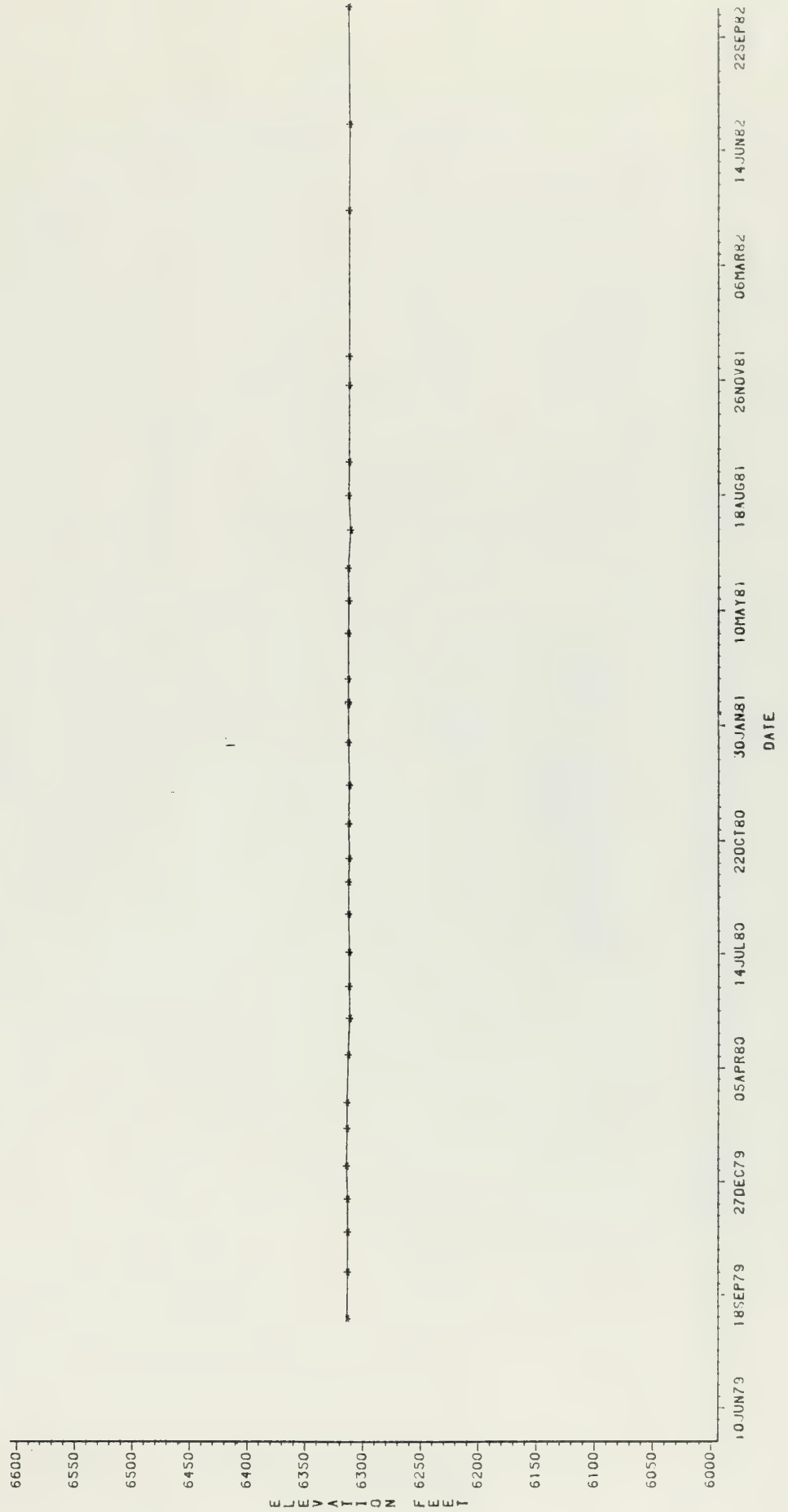
CB WELL LEVELS DATA

LOC=MY64.

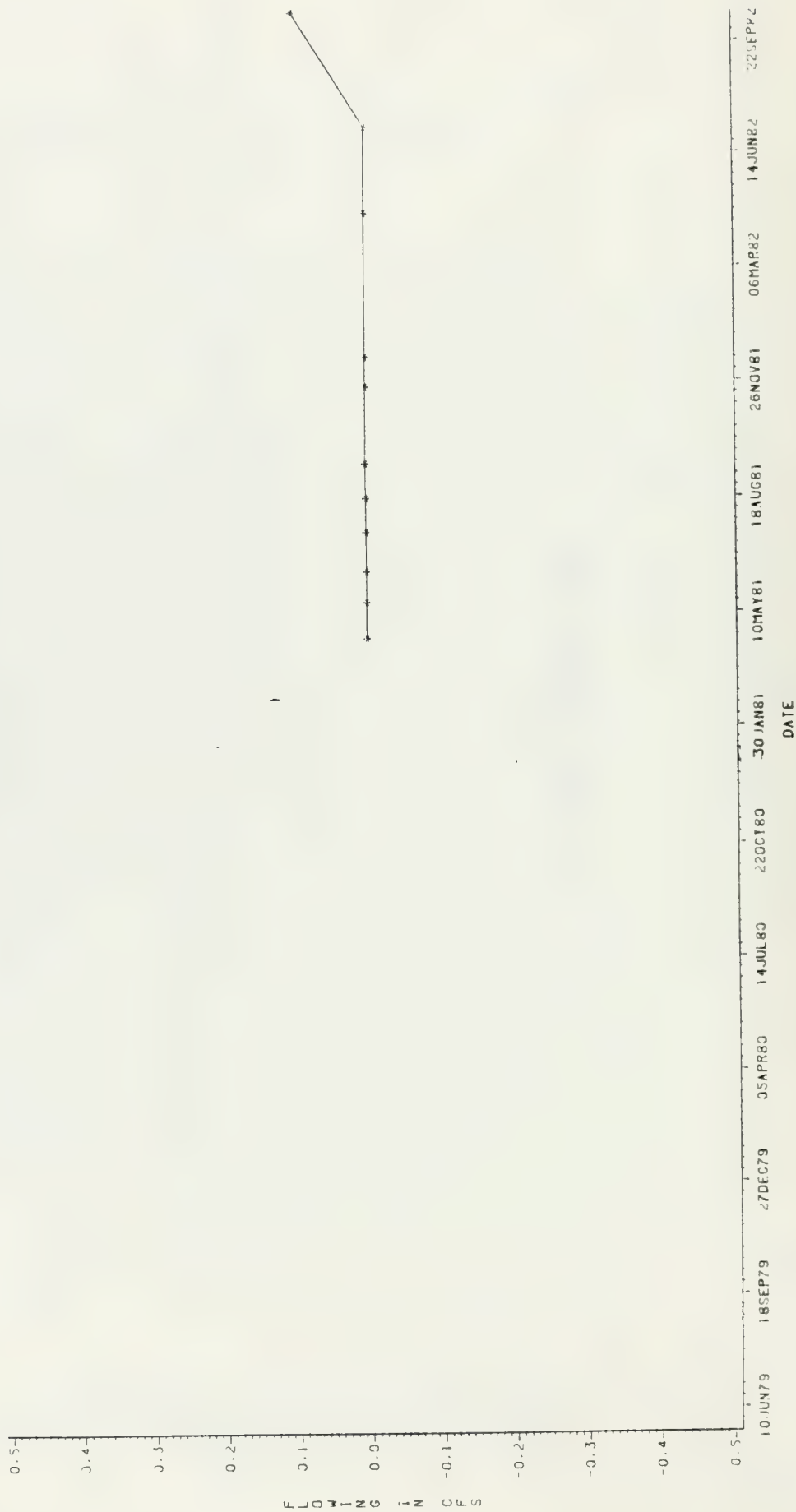


CB WELL LEVELS DATA

LOC=NY65

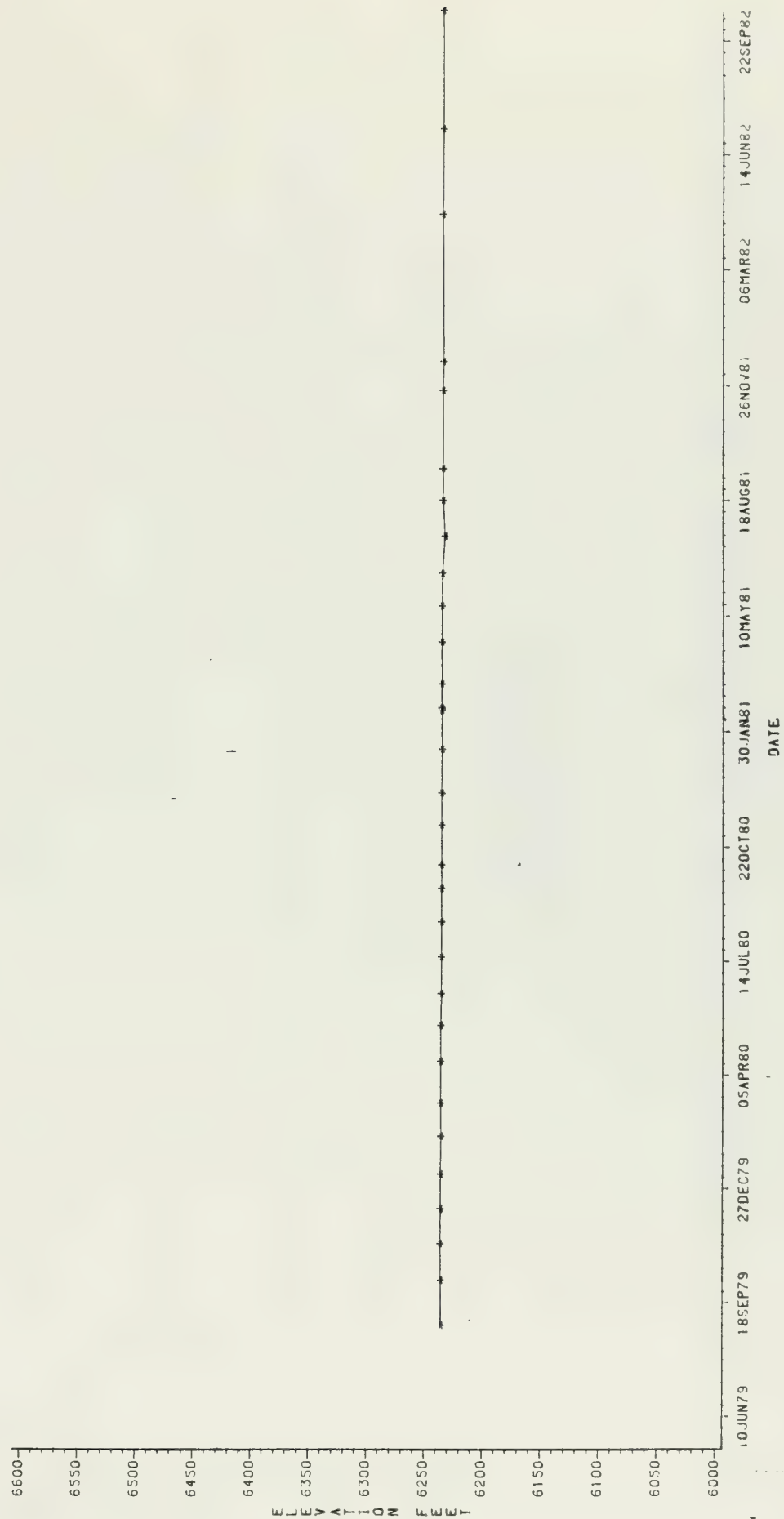


CB WELL LEVELS DATA LOC=4Y66

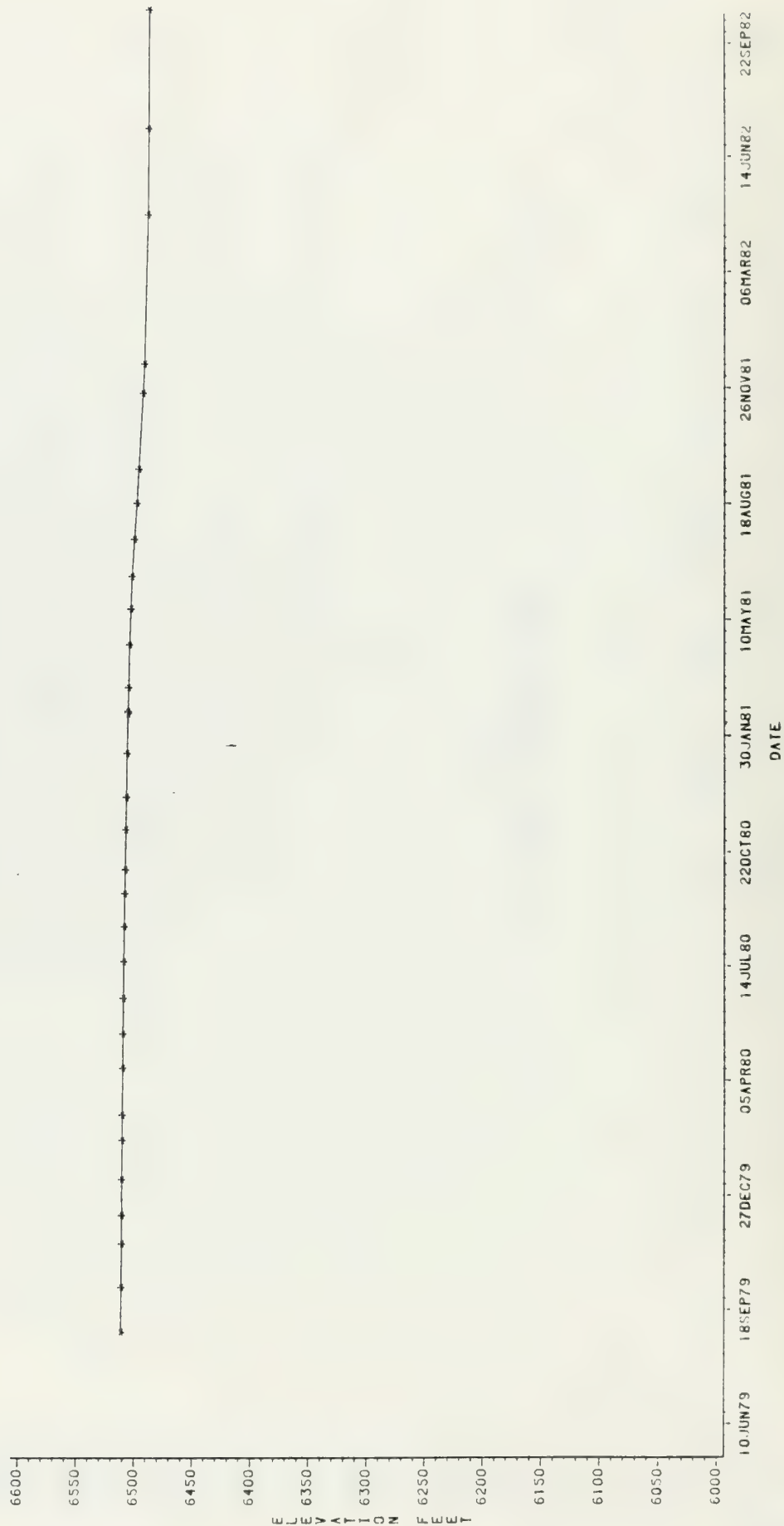


CB WELL LEVELS DATA

LOC=HY67

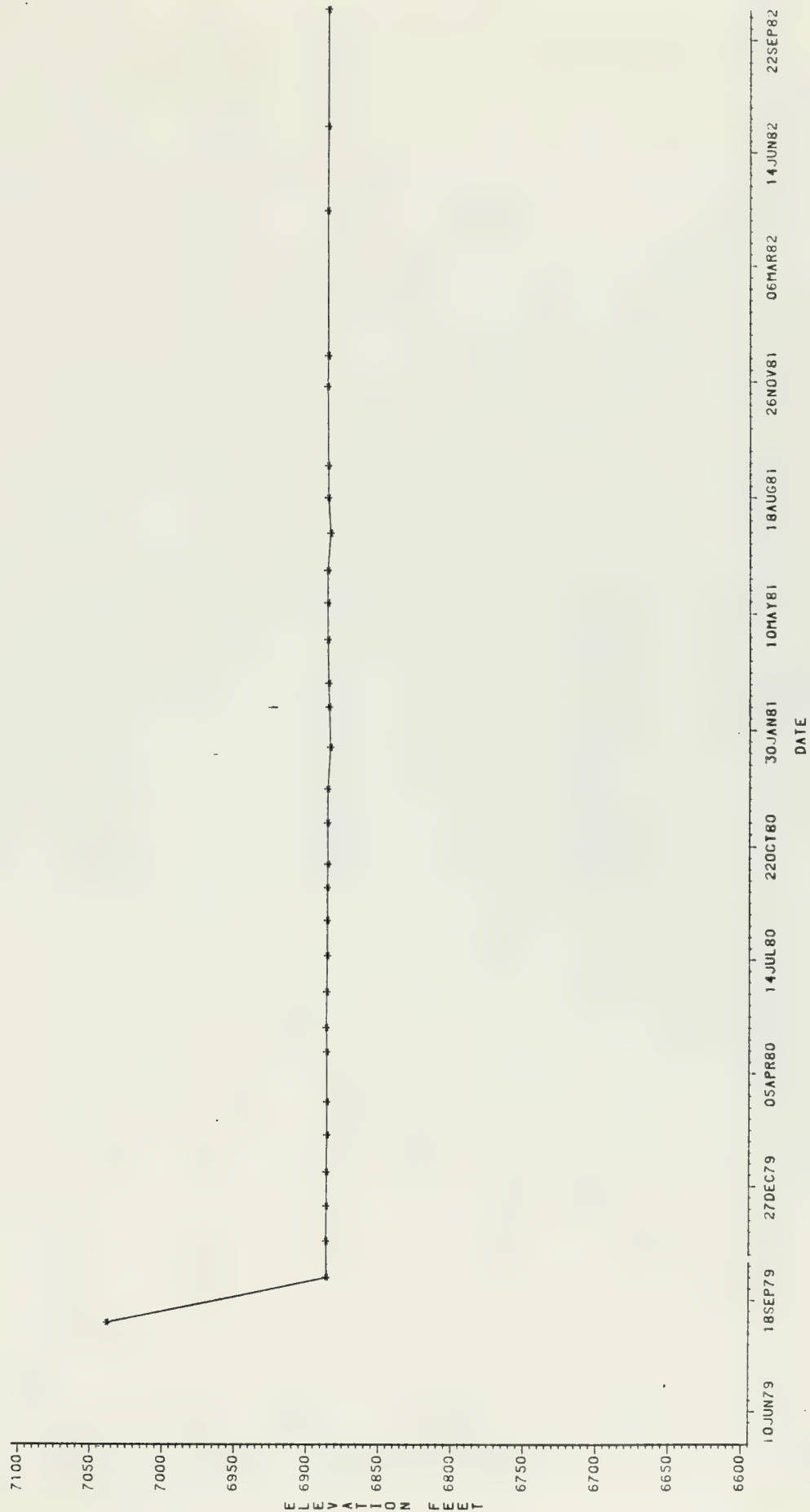


CB WELL LEVELS DATA LOC-WY68



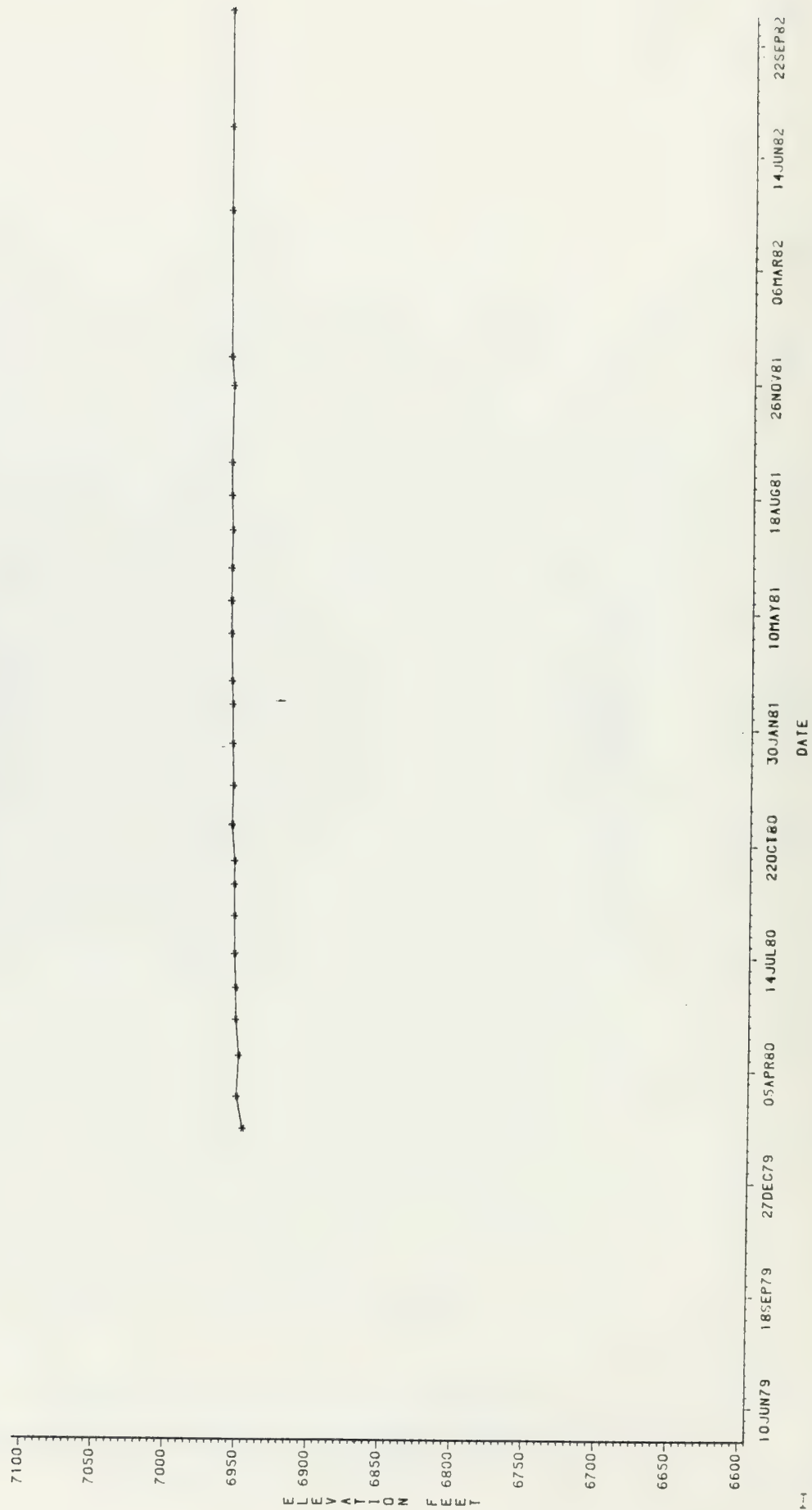
CB WELL LEVELS DATA

L0C=WT69



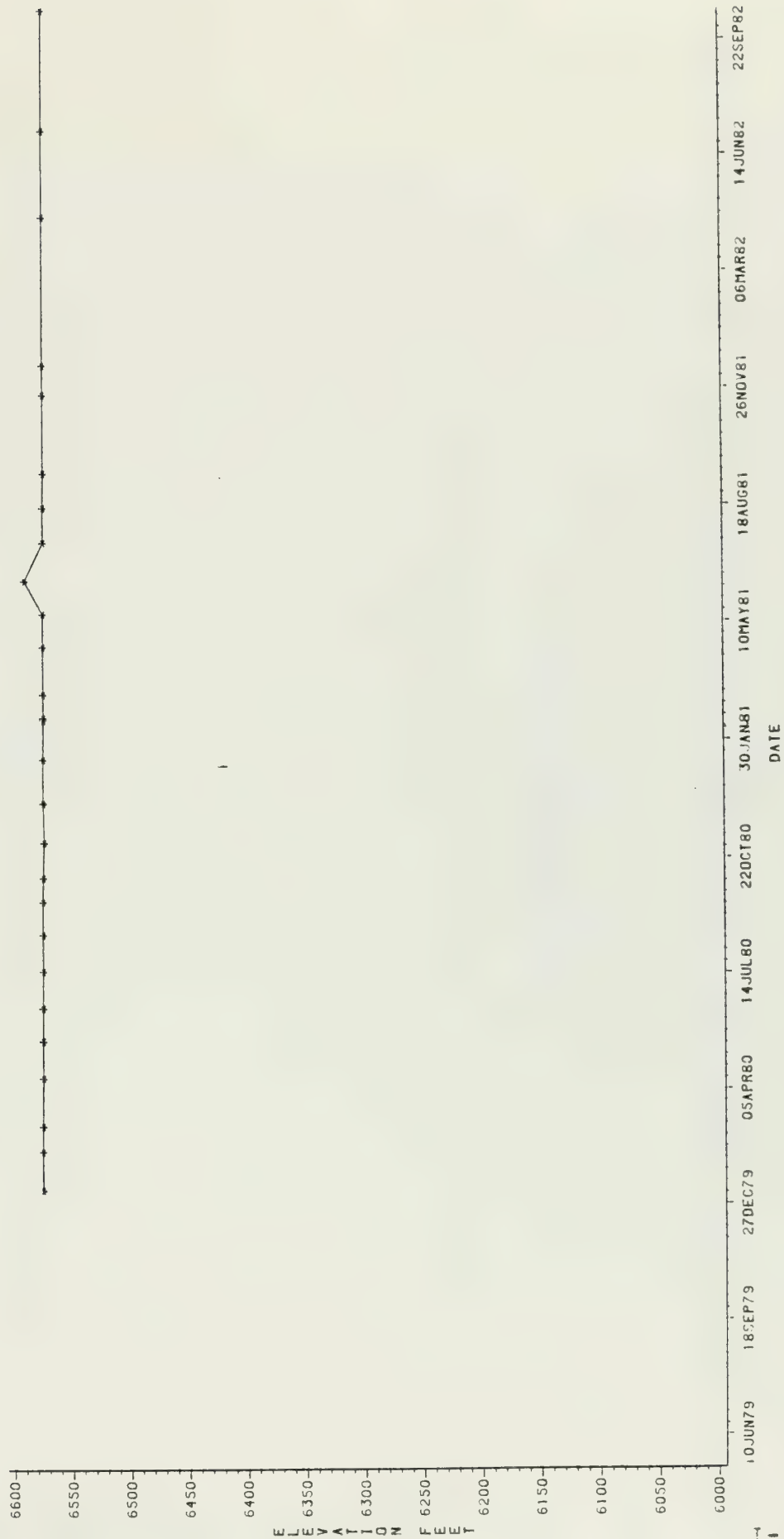
CB WELL LEVELS DATA

LOC=NY70



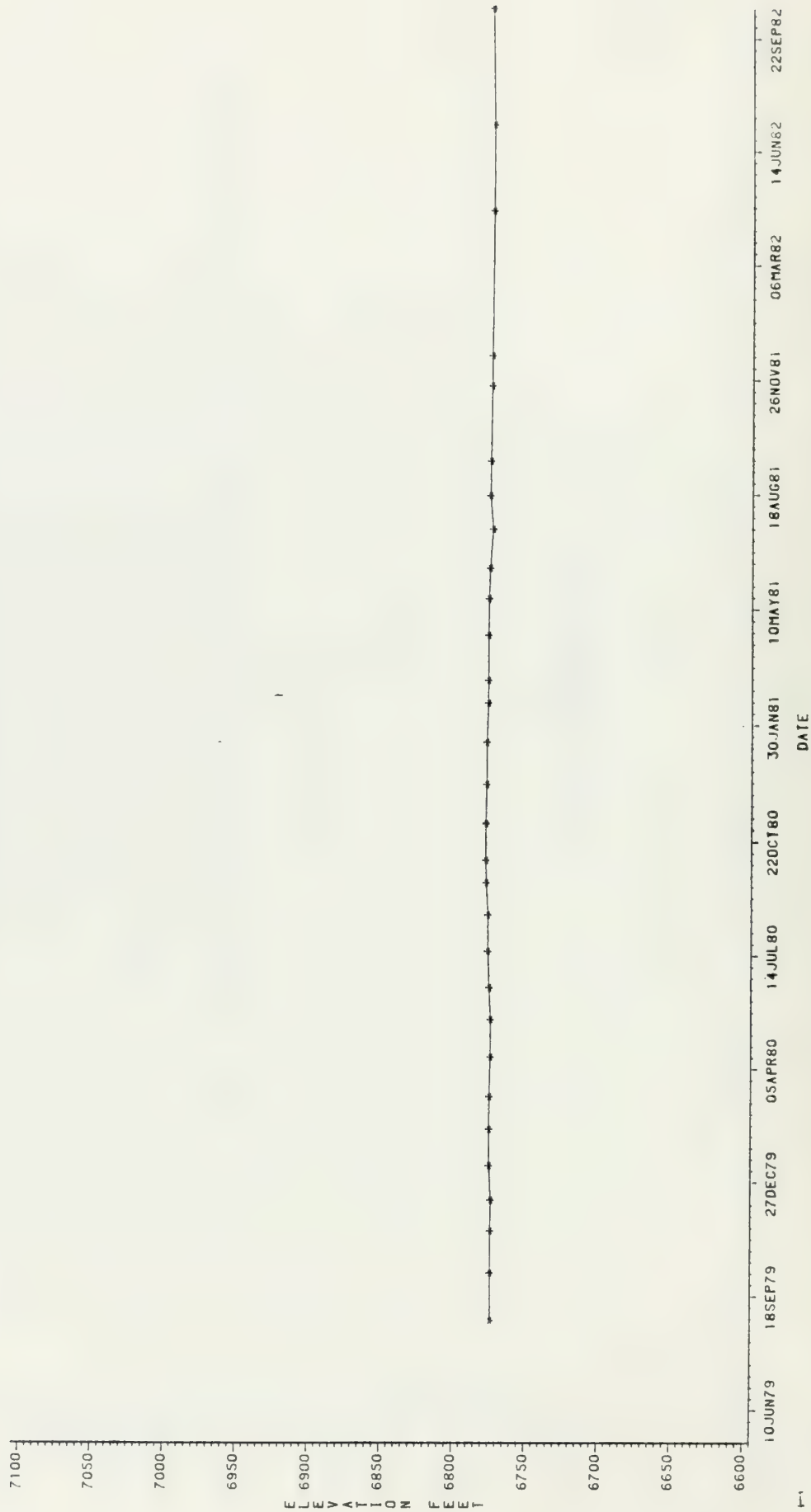
CB WELL LEVELS DATA

LOC=NY71



CB WELL LEVELS DATA

LOC=MY72



ELEVATION FEET

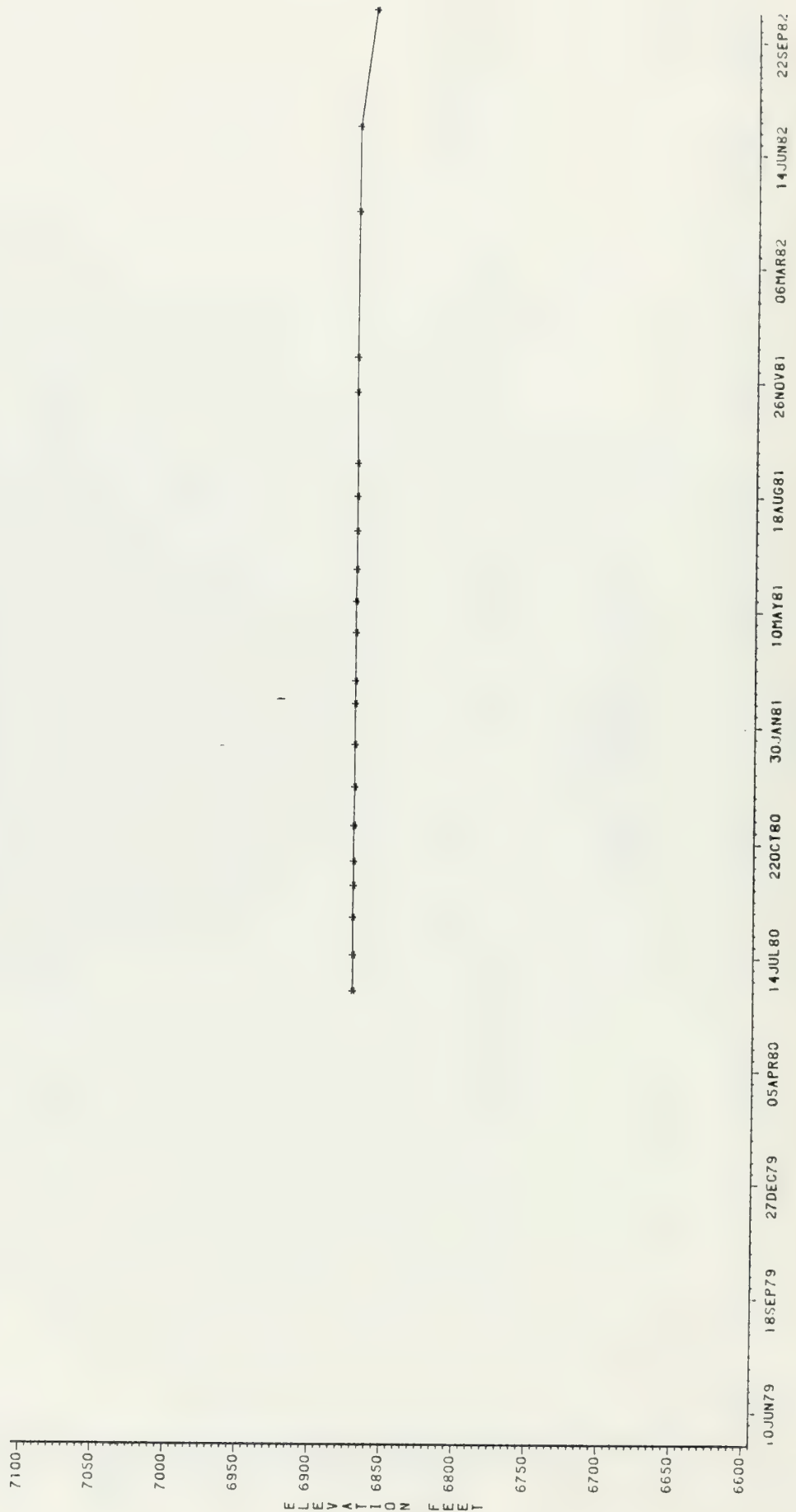
CB WELL LEVELS DATA

L.O.C.=WY75

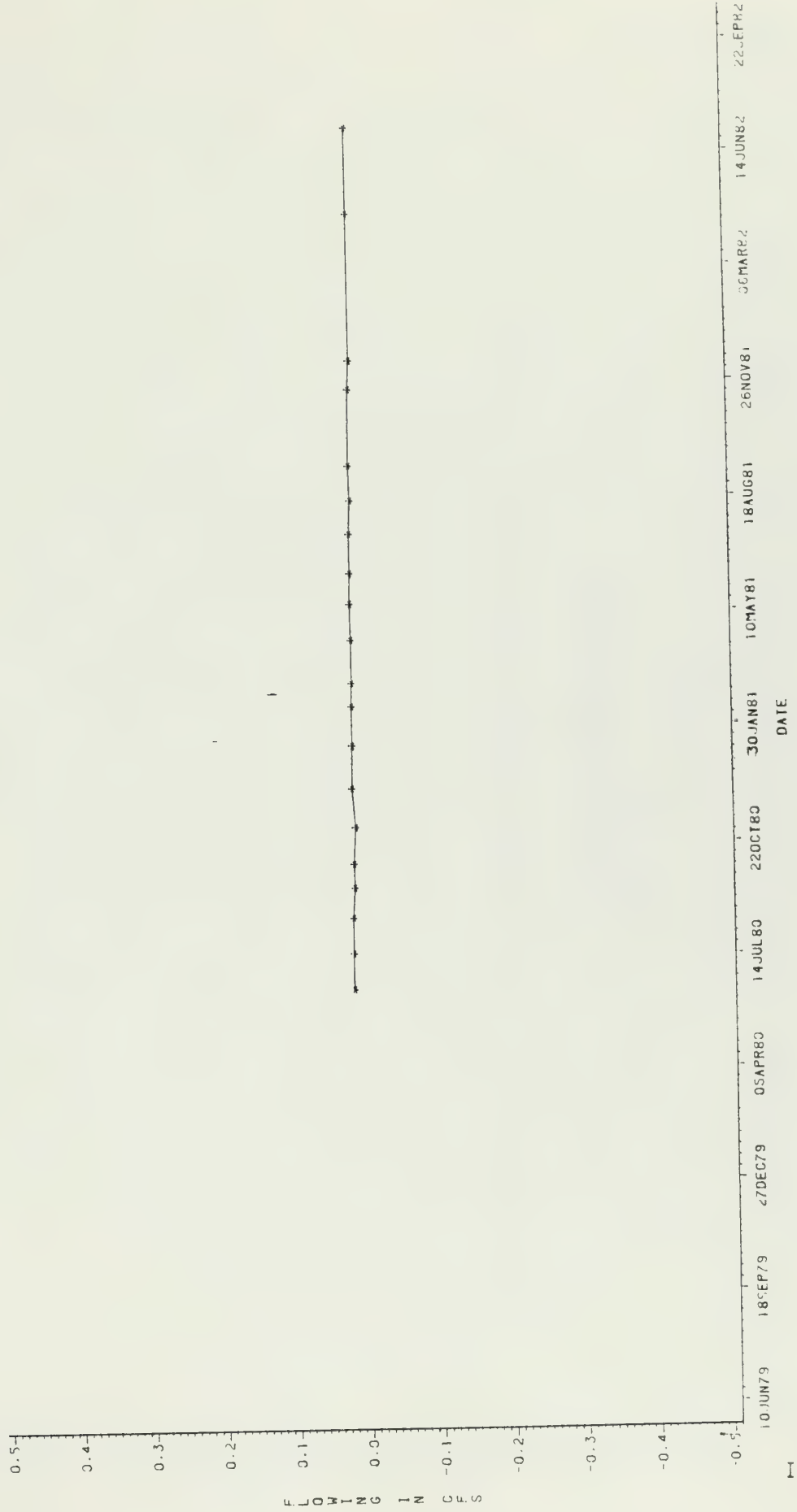


CB WELL LEVELS DATA

LOC=MY76

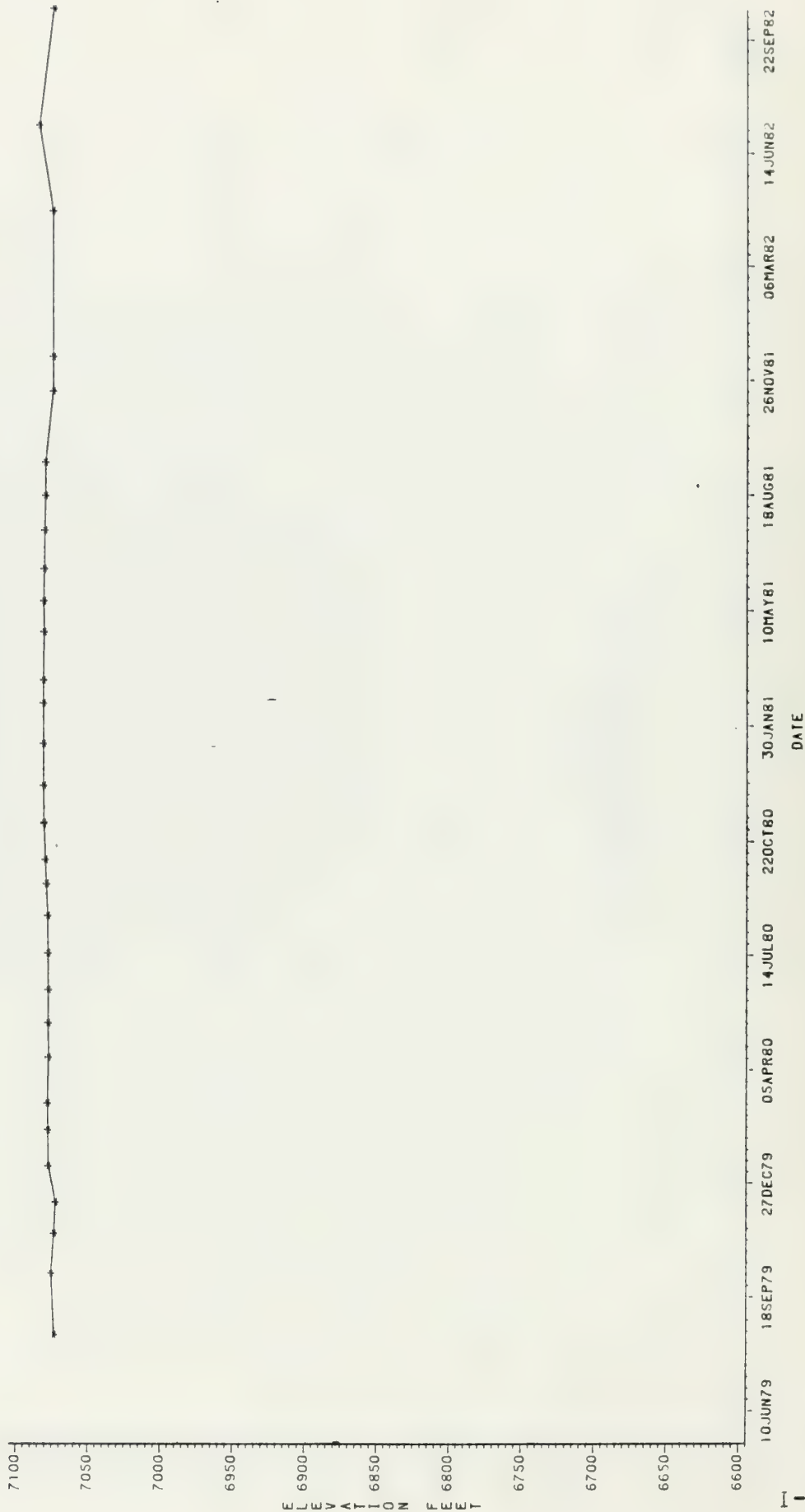


CB WELL LEVELS DATA LOC=4477



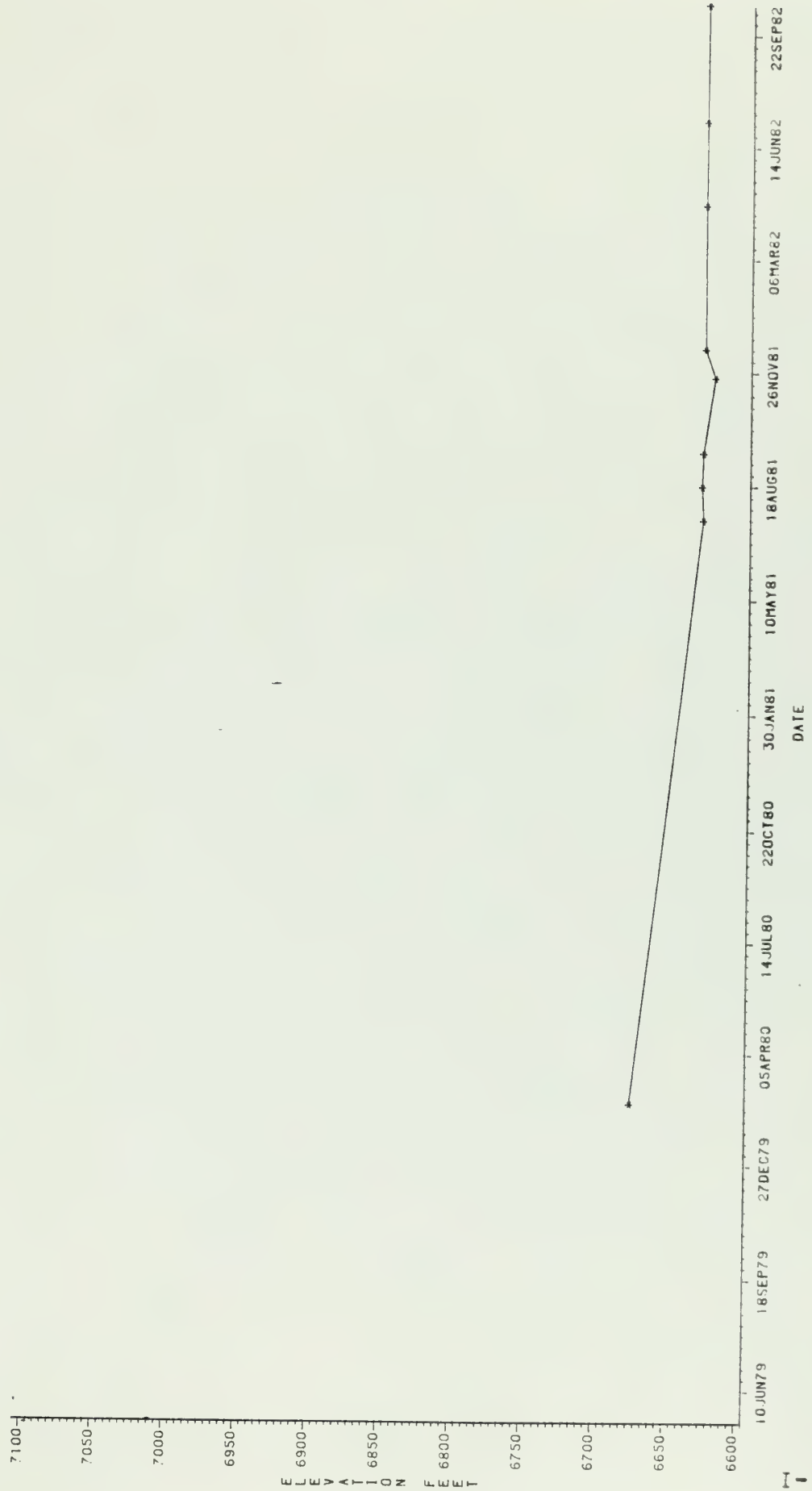
CB WELL LEVELS DATA

LOC=HY78



CB WELL LEVELS DATA

LOC=MY79



**IMPOUNDMENTS/
LAND APPLICATION/
REINJECTION/DISCHARGE**

2.2.1.6 Impoundments/Land Application/Reinjection/Discharge

Injection of mine water make into well 11X18 (WI18) stopped on June 30, 1982. Data are presented in plot form of reinjection rates and well-head pressures for March 1981 through June 1982. See Figure 2.2.1.6-1.

Discharging of mine water into Piceance Creek began in July 1982. Water samples for flow and quality analyses were taken at ponds A/B discharge point. Fluoride samples were taken in the field at A/B discharge point (WN40), above discharge point on Piceance Creek (WN41), below discharge point on Piceance Creek (WN42), and at Hunter Creek (USGS Station 061) (WU02). Refer to Table 2.2.1.6-1 for flow and field measurements. Water analyses are reported in Section 2.2.2.6.

Monthly levels samples were taken at 22X-17 (WI19) and 24X-17 (WI17) during June through December 1982. Data are presented in Table 2.2.1.6-2. These wells are designated as injection wells but have never been utilized as such. Plots of these wells for levels follow the data table in Figures 2.2.1.6-2 and 2.2.1.6-3.

Weekly levels samples were taken at pond seepage wells 41X13 (WW13) and 31X12 (WW22) while monthly levels samples were taken at the shale pile seepage well 32Y12 (WW32) during June through December 1982. See Table 2.2.1.6-3. Readings for 32Y12 (WW32) are reported as depth in feet from the collar of the well instead of ground elevation. Plots of the pond seepage wells are reported in Levels and Flows Section 2.2.1. Refer to Table 2.2.1-1 in that section for the corresponding page number. These wells are monitoring water levels in the UPC₁ zone and are reviewed monthly to detect any changes.

Location of water stations presented in this subsection can be referenced on Figure 2.2-1 (jacket map).

FIGURE 2.2.1.6-1

CB WELL LEVELS DATA

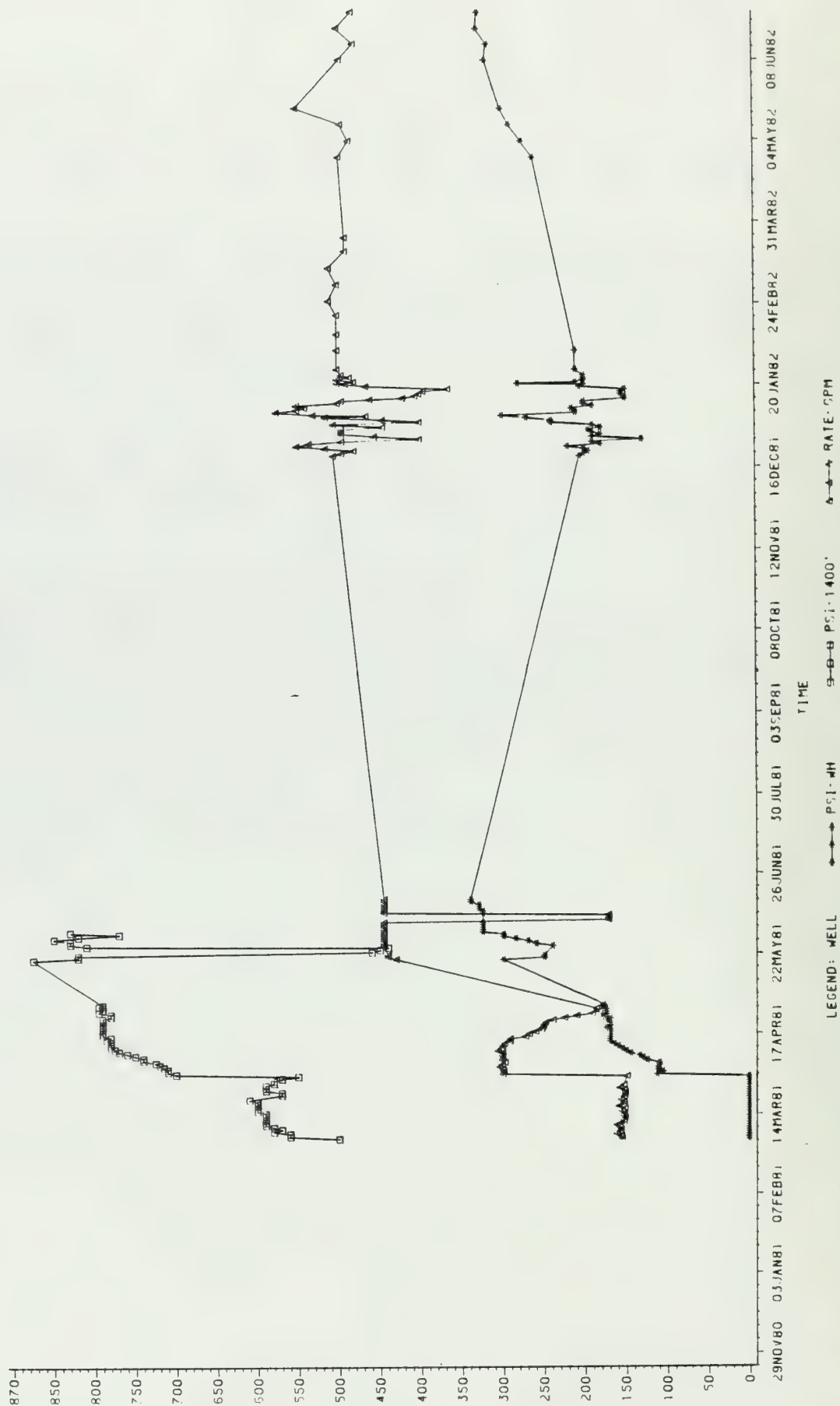


TABLE 2.2.1.6-1

CB-TRACT
NPDES DISCHARGE
WEEKLY AND MONTHLY FIELD MEASUREMENTS

LOC	YEAR	MONTH	DAY	FLOW (CFS)	PH UNIT	SPECIFIC CONDUCTIVITY (MG/L)	DISS OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	TEMPERATURE (DEG C)
WN40	82	7	15	1.3	8.80	1970.0		18.6	22.0
			22	1.2	8.98	1960.0		18.8	24.0
			29	1.3	8.67	2490.0		17.1	21.0
		8	5	1.0	8.90	2110.0			21.0
			12	1.3	8.80	2010.0		19.5	21.0
			19	1.3	8.60	2010.0		20.0	21.0
			26	1.2	8.20	2050.0		20.4	20.0
		9	2	1.1	8.80	1540.0			20.0
			9	1.2	8.70	2080.0		20.6	18.0
			16	.8	8.70	2140.0		20.0	18.0
			23	1.0	8.70	1980.0		20.1	18.0
			30	1.0	8.60	2100.0		20.5	14.0
		10	7	1.0	8.80	2030.0		20.5	12.5
			13	1.1	8.60	2120.0			12.0
			14	1.0				20.0	
			21	1.1	8.60	1950.0		20.2	15.0
			28	1.1	8.70	1730.0		20.4	11.0
		11	4	1.0	8.70	1950.0		20.5	11.0
			11	1.1	8.70	1940.0		20.1	9.5
			18	1.1	8.50	2030.0		20.2	10.5
			23	.8	8.50	2230.0		20.1	9.0
		12	2	1.1	8.60	2070.0		20.3	10.5
			9	1.0	8.50	2090.0		20.1	9.5
			15	1.1	8.75	2100.0		20.3	8.5
			22	1.0	8.70	2140.0		20.9	9.0
			29	1.0	8.80	2110.0			6.0
WN41	82	7	8					.6	
			15					.7	
			22					.6	
			29					.7	
		8	5					.7	
			12					.7	
			19					.8	
			26					.9	
		9	2					.9	
			10					.9	
			17					.9	
			23					1.0	
			30					.9	
		10	7					.9	

NOTE: -INDICATES LESS THAN

TABLE 2.2.1.6-1 (Contd)

CB-TRACT
NPDES DISCHARGE
WEEKLY AND MONTHLY FIELD MEASUREMENTS

LOC	YEAR	MONTH	DAY	FLOW (CFS)	PH UNIT	SPECIFIC CONDUCTIVITY (MG/L)	DISS OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	TEMPERATURE (DEG C)
WN41	82	10	14					.9	
			21					.8	
			28					.8	
		11	4					.9	
			11					.8	
			18					.8	
			23					.7	
		12	2					.7	
			9					.7	
			15					.8	
			22					.9	
			29						
WN42	82	7	8					2.0	
			15					2.0	
			22					3.9	
			29					2.7	
		8	5					1.7	
			12					1.6	
			19					1.5	
			26					1.5	
		9	2					2.0	
			10					1.8	
			17					1.5	
			23					2.0	
			30					2.0	
		10	7					2.0	
			14					1.4	
			21					1.9	
			28					2.0	
		11	4					2.1	
			11					1.9	
			18					2.0	
			23					1.8	
		12	2					1.9	
			9					2.0	
			15					2.2	
			22					2.3	
			29						
WU02	82	7	8	6.8				1.0	
			15	12.9				1.3	

NOTE: -INDICATES LESS THAN

TABLE 2.2.1.6-1 (Contd)

CB-TRACT
NPDES DISCHARGE
WEEKLY AND MONTHLY FIELD MEASUREMENTS

LUC	YEAR	MONTH	DAY	FLOW (CFS)	PH UNIT	SPECIFIC CONDUCTIVITY (MG/L)	DISS OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	TEMPERATURE (DEG C)
WU02	82	7	22	11.4				1.6	
			29	23.1				1.7	
		8	5	29.0				1.3	
			12	27.8				1.4	
			19	27.8				1.2	
			26	16.2				1.3	
		9	2	16.2				1.5	
			10	17.0				1.5	
			17	19.6				1.3	
			23	18.5				1.5	
			30	20.0				1.3	
		10	7	20.0				1.3	
			14	19.2				1.2	
			21	16.6				1.5	
			28	15.5				1.5	
		11	4	17.7				1.8	
			11	19.6				1.5	
			18	17.0				1.6	
			23	20.8				1.6	
		12	2	12.9				1.6	
			9	26.2				1.5	
			15	29.7				2.0	
			22	17.7				1.9	
			29						

NOTE: -INDICATES LESS THAN

TABLE 2.2.1.6-2

CB-TRACT
WATER LEVELS FOR INJECTION WELLS
FOR SAMPLE DATE SHOWN

			WELL ID - FT FROM GROUND LEVEL	
			WI17	WI19
			DEPTH	DEPTH
			(FT)	(FT)
YR	MO	DY		
82	6	16	6681.35	6678.42
	7	12	6678.00	6653.90
	8	23	6657.30	6601.70
	9	22	6649.20	6584.90
	10	14	6645.20	6576.80
	11	17	6641.10	6568.00
	12	12	6638.60	6562.90

PLUGGD = WELL PLUGGED

DRY = WELL DRY

FLWING = WELL FLOWING

INACCS = WELL INACCESSABLE

CB WELL LEVELS DATA LOC-W117

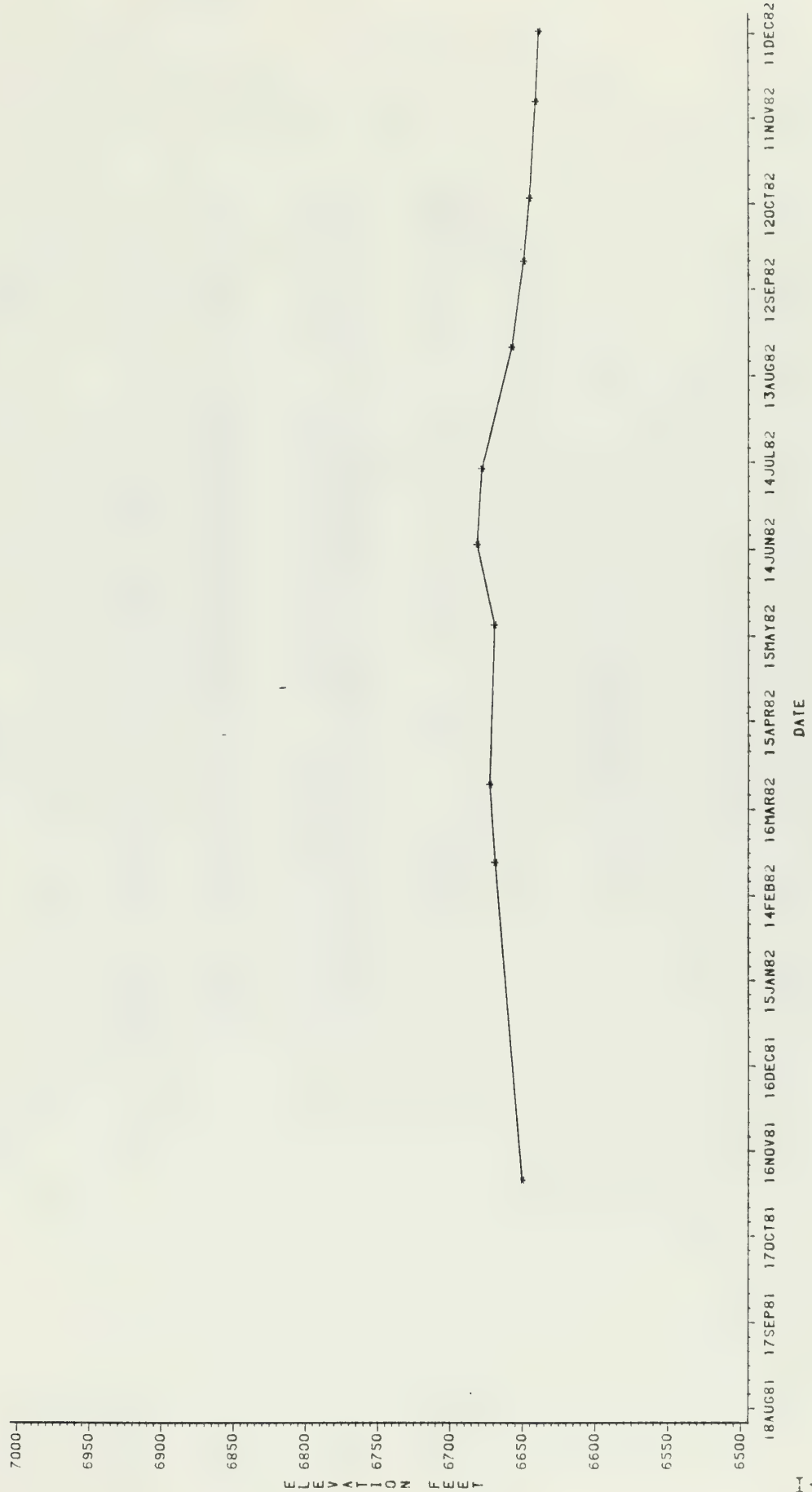


FIGURE 2.2.1.6-2

CB WELL LEVELS DATA LOC-W119

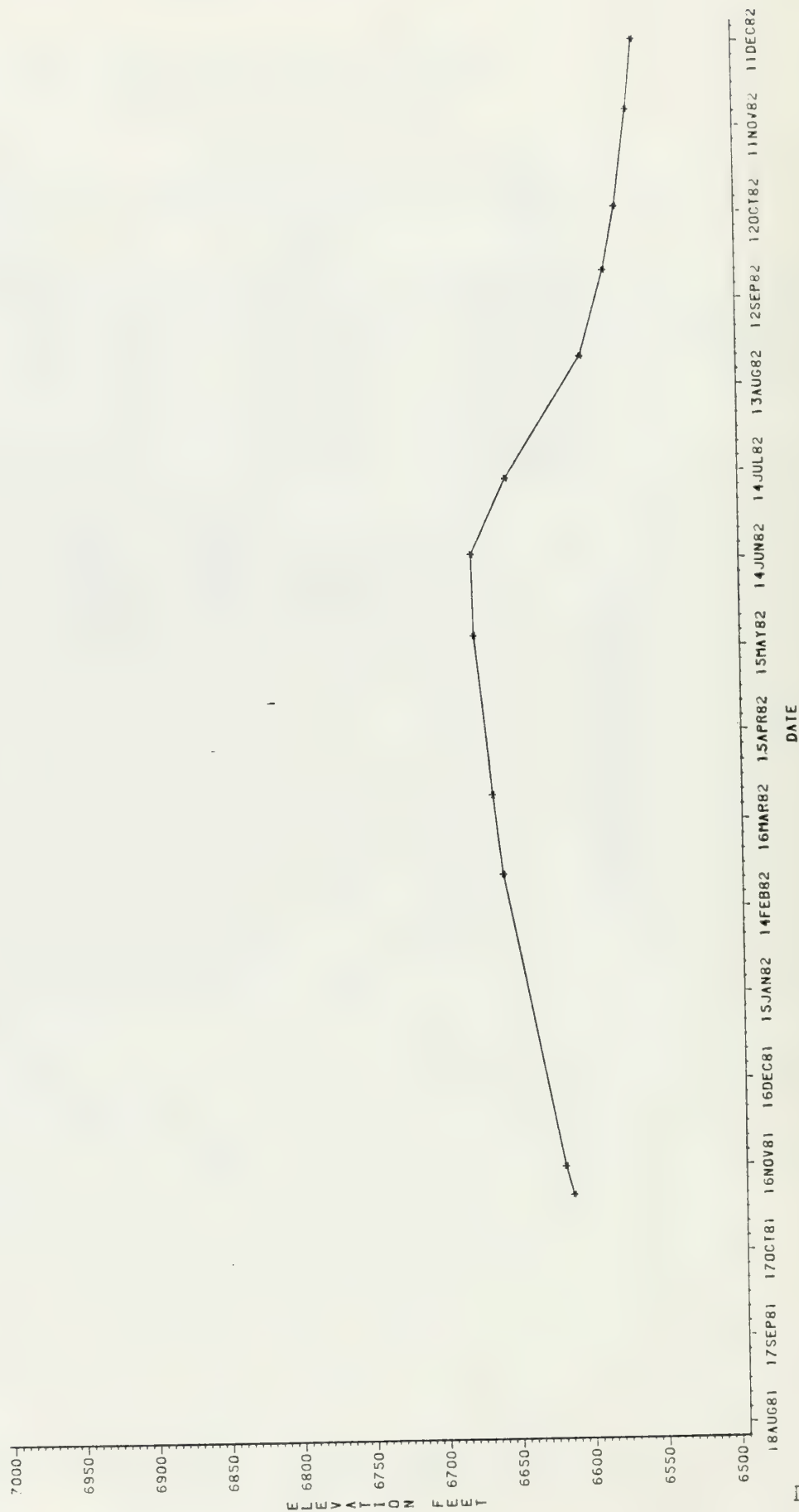


FIGURE 2.2.1.6-3

TABLE 2.2.1.6-3

C-B TRACT
SEEPAGE MONITORING WELLS

YR	MO	DY	WW13 ELEV (FT)	WW22 ELEV (FT)	WW32 depth (FT)
<hr/>					
82	6	2	6672	6584	50
		24	6673	6583	51
	7	16		6583	51
		26	6672		
		29	6672	6586	
	8	3	6672	6587	
		10	6670	6588	
		17	6669	6588	
		25	6668	6588	51
		31	6668	6589	
	9	7	6666	6589	
		14	6666	6589	
		21	6665	6589	52
		28	6664	6589	
	10	5	6663	6590	
		12	6661	6589	
		19	6661	6589	
		20			52
		26	6659	6589	
	11	1	6658	6590	
		10	6656	6590	
		16	6655	5897	
		23	6654	6590	53
		30	6653	6589	
	12	1			53
		3		6590	
		14	6737	6589	
		21	6675	6589	
		28	6655	6589	

SHAFT AND
MINE WATER

2.2.1.7 Shaft and Mine Water

Water levels readings are continuing to be taken weekly since flooding the V/E shaft in September 1981. Data for June through December 1982 are included in this section along with a Plot of water elevation in the shaft since recovery. See Table 2.2.1.7-1 and Figure 2.2.1.7-1. Field samples were taken of pH, conductivity and fluoride at difference depths in the V/E shaft on August 11, 1982 and in the Service shaft on June 19, 1982 for just fluoride. The results are presented in Table 2.2.1.7-2.

A water usage report is submitted to the State Engineer's Office monthly. This report consists of all water used and pumped on the C-b Tract. Table 2.2.1.7-3 reports these waters in gallons coming from the various wells, ponds and shafts.

TABLE 2.2.1.7-1

Co-TRACT
SHAFT WATER LEVELS

			SHAFT	
				4201
			DEPTH	
YR	MO	DAY	(FT)	
<hr/>				
02	6	1	6297.0000	
		7	6297.0000	
		15	6297.0000	
		22	6297.5000	
		29	6297.5977	
	7	6	6297.5977	
		13	6297.6992	
		20	6297.6992	
		27	6297.5000	
	8	3	6297.5977	
		10	6297.5977	
		17	6297.5000	
		24	6297.5000	
		31	6297.5000	
	9	7	6297.5977	
		14	6297.3984	
		21	6297.0977	
		28	6297.2989	
	10	5	6297.1992	
		12	6296.7989	
		19	6296.5977	
		26	6296.5977	
	11	2	6296.3984	
		9	6296.5000	
		16	6296.1992	
		23	6296.0000	
		30	6296.3984	
	12	7	6295.6992	
		14	6295.2989	
		21	6295.7989	
		28	6295.5977	

CB WELL LEVELS DATA

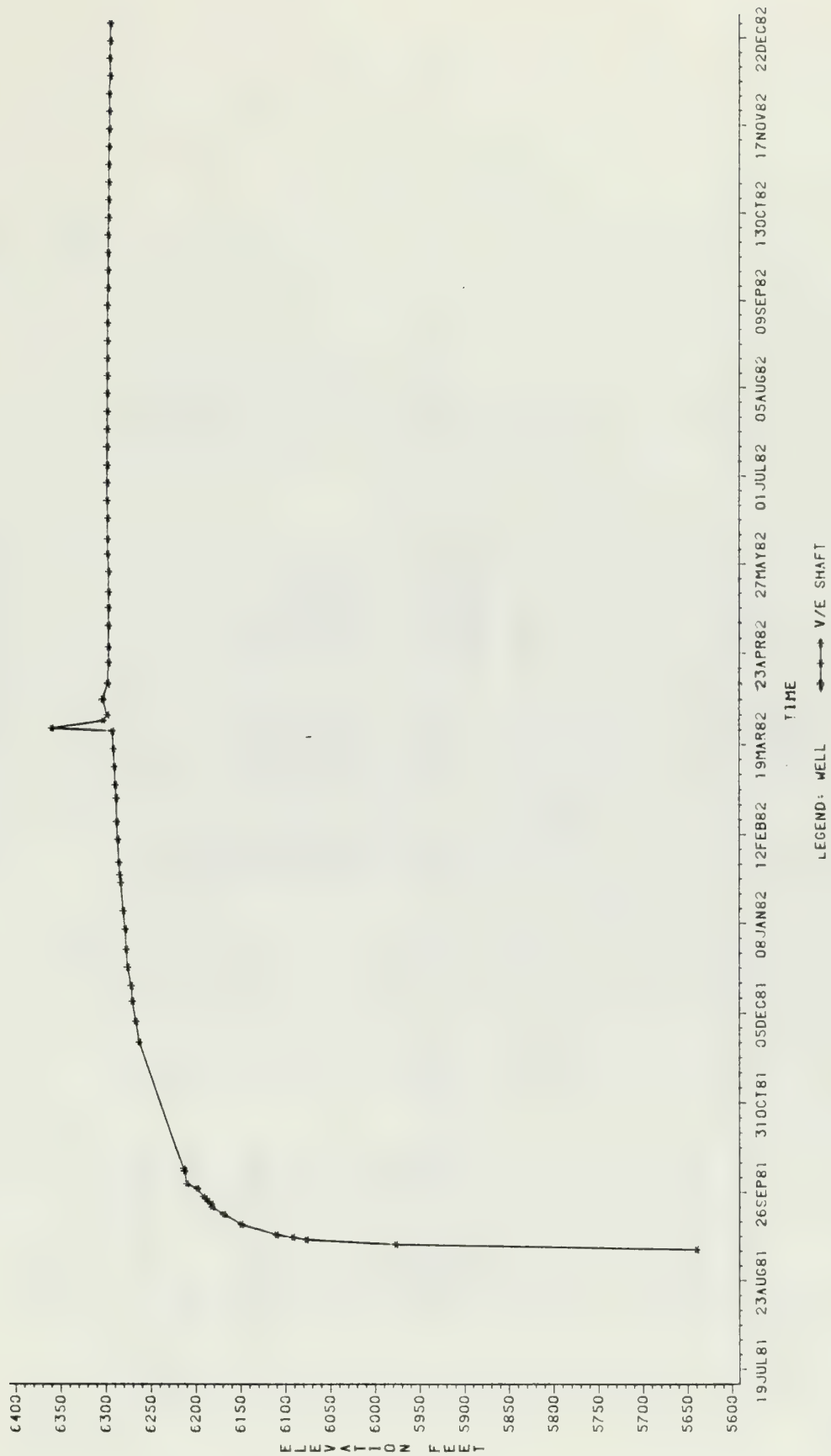


FIGURE 2.2.1.7-1

C-B TRACT
SHAFT FIELD MEASUREMENTS BY DEPTH

I- 168

TABLE 2.2.1.7-3

1982 C-B WATER USAGE (10**6 GALLONS, * =ACRE FEET)

	USE	SOURCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL YTD	TOTAL YRS TD
ALL SHAFTS	GLAND WTR	PUMP STA	5.46 16.76*	2.29 7.03*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	7.75 23.79*	190.6 584.9*
TOTAL ALL SHAFTS			5.46 16.76	2.29 7.03*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	7.75 23.79*	190.6 584.9*
OFF-TRACT WTR USED POTABLE		TOWN	.03 0.08*	.02 0.07*	.02 0.07*	.02 0.07*	.02 0.07*	.02 0.07*	.02 0.06*	.01 0.03*	.01 0.03*	.01 0.03*	.01 0.03*	.01 0.03*	.21 .63*	1.1 3.3*
TOTAL OFF-TRACT WTR USED			.03 0.08	.02 0.07*	.02 0.07*	.02 0.07*	.02 0.07*	.02 0.07*	.02 0.06*	.01 0.03*	.01 0.03*	.01 0.03*	.01 0.03*	.01 0.03*	.21 .63*	1.1 3.3*
TRACT WATER USED	BATCH PLNT	24X-25	.03 0.08*	.01 0.02*	.01 0.04*	.01 0.05*	.01 0.02*	.00 0.01*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.07 .21*	2.5 7.6*
	CONSTR	PONDS	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	18.0 55.1*
	CONSTR	24X25	.05 0.14*	.01 0.04*	.05 0.15*	.02 0.06*	.04 0.11*	.04 0.12*	.05 0.14*	.08 0.23*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.33 1.01*	1.7 5.1*
	DUST CNTL	PONDS	.00 0.00*	.00 0.00*	.02 0.05*	.02 0.06*	.05 0.14*	.03 0.10*	.07 0.20*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.18 .56*	6.6 20.4*
	EVP & LEAK	POND C	7.78 23.86*	7.19 22.06*	6.64 20.36*	6.29 19.31*	8.76 26.89*	3.52 10.80*	.60 1.84*	.10 0.31*	.10 0.31*	.10 0.31*	.10 0.31*	.10 0.00*	41.18 126.35*	144.6 443.8*
	NPDES REL	PONDS	.00 0.00*	.19 0.58*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	24.09 73.92*	24.09 73.92*	22.70 69.65*	21.06 64.62*	19.78 60.70*	22.07 67.74*	133.98 411.12*	788.7 2,419.9*
	REINJECT	PONDS	21.56 66.16*	19.85 60.90*	19.88 60.99*	17.95 55.09*	25.72 78.91*	21.83 66.98*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	126.78 389.02*	225.7 692.6*
	SPR IRRIG	POND C	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	79.1 242.6*
TOTAL TRACT WATER USED			29.41 90.24	27.25 83.60*	26.59 81.60*	24.30 74.57*	34.57 106.06*	25.42 78.01*	24.80 76.10*	24.26 74.46*	22.80 69.96*	21.16 64.93*	19.88 61.01*	22.07 67.74*	302.53 928.28*	1,266.8 3,887.1*
WATER IN STORAGE	-	POND A	1.50 4.60*	1.50 4.60*	1.50 4.60*	1.50 4.60*	1.50 4.60*	1.50 4.60*	1.00 3.07*	1.00 3.07*	1.00 3.07*	1.00 3.07*	1.00 3.07*	1.00 3.07*		
	-	POND B	1.30 3.99*	1.40 4.30*	1.50 4.60*	.70 2.15*	.70 2.15*	1.50 4.60*	.15 0.46*	.15 0.46*	.15 0.46*	.15 0.46*	.15 0.46*	.15 0.46*		
	-	POND C	1.30 3.99*	1.40 4.30*	1.20 3.68*	1.40 4.30*	1.40 4.30*	1.20 3.68*	.60 1.84*	.50 1.53*	.40 1.23*	.30 0.92*	.20 0.61*	.20 0.61*		
TOTAL WATER IN STORAGE			4.10 12.58	4.30 13.19*	4.20 12.89*	3.60 11.05*	3.60 11.05*	4.20 12.89*	1.75 5.37*	1.65 5.06*	1.55 4.76*	1.45 4.45*	1.35 4.14*	1.35 4.14*		
WATER PUMPED	-	33X-1	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*		4.3
	-	24X-25	.07 0.22*	.02 0.06*	.06 0.18*	.04 0.11*	.04 0.13*	.04 0.13*	.05 0.14*	.08 0.23*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.39 1.21*	7.9 24.4*
	-	32X-12	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*		5.9
	-	V/E SHAFT	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*	.00 0.00*		678.9
	-	PROD & SERV	29.55 90.68*	26.21 80.43*	23.84 73.16*	20.54 63.02*	29.55 90.67*	25.38 77.88*	24.95 76.55*	25.00 76.70*	22.98 70.53*	21.06 64.62*	19.86 60.95*	21.72 66.65*	290.65 891.83*	813.0 2,494.8*
TOTAL WATER PUMPED			29.62 90.90	26.23 80.50*	23.90 73.33*	20.57 63.13*	29.59 90.80*	25.42 78.01*	25.00 76.70*	25.07 76.73*	22.98 70.53*	21.06 64.62*	19.86 60.95*	21.72 66.65*	291.04 893.04*	1,510.1 4,633.5*

SHALE DUMPS

2.2.1.8 Shale Dumps

Leachate data were collected from the lysimeters during 1981 are presented in Table 2.2.1.8-1. The leachates may be initiated from precipitation percolating (leaching) through the raw shale to the collectors. Collector bottles are designated A thru E. Test set up was described in last year's Annual Report.

Field measurement (pH, DO, conductivity and temperature) data are also collected at the lysimeters at three depths. Chemical analyses are analyzed and reported by Colorado State University.

TABLE 2.2.1.8-1

LYSIMETER CHECK - FIELD MEASUREMENTS
AT C-b TRACT LEACHATE SHALE PILE

	<u>Page No.</u>
June 1982	I-172
July 1982	I-174
August 1982	I-177
September 1982	I-182
October 1982	I-188

Date: 6/17/82 Time: Observer: D.Newbould	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.28															
Temp °C	15				1.26	2.0	0.66				2.0	0.88				
PH	8.44				16	14	14				15	15				
Conductivity (μmhos)	5540				8.49	7.79	7.89				7.70	7.79				
Date: Time: Observer:					5870	5190	5310				5610	5500				
Volume																
Temp																
PH																
Conductivity (μmhos)																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity (μmhos)																

Date: Time: Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.428				1.362	2.0	1.432				2.0	0.272				
Temp °C	16				16	15	16				14	16				
PH	8.47				8.55	7.88	7.89				7.74	7.89				
Conductivity (μmhos)	5180				5770	2580	5020				3850	4890				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity (μmhos)																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity (μmhos)																

LYSIMETER CHECK
C.B. TRACT

Date: Time: Observer: D. Newbould	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	1.274					2.27	62.0	2.0			1.32	2.0				
Temp °C	11.5					13.0	12.5	12.0			10.0	14.5				
PH	8.36					8.50	7.91	7.88			7.61	8.07				
Conductivity μ mhos	6220					6710	5770	6220			6160	5470				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity μ mhos																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity μ mhos																

Date: 7-12-82 Time: Observer: D. Newbould	10 Foot					15 Foot					20 Foot					COMMENTS.
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.448				0.692	2.0	0.778				2.0	0.634				
Temp °C	15.0				12.5	15.0	16.0				15.0	16.0				
PH	8.32				8.48	7.87	7.93				7.69	7.21				
Conductivity $\times 10^3$ μmhos	7.91				7.89	7.11	7.36				6.06	4.61				
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIMEY CHECK
C.B. TRACT

Date: Time: Observer: D. Newbould	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.944				0.294	2.0	2.0	2.0								
Temp °C	23				21	22	22	22			22					
PH	8.44				8.64	7.87	7.89	7.89			7.68					
Conductivity $\mu\text{mhos/cm}$	6100				13510	7440	6530	6530			4810					
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIME CHECK
C.B. TRACT

Date: 8-4-82 Time: 0820-0935 hrs. Observer:	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume M-Liters	800ml					2000	750				2000	2000	2000	1800		15' & 20' A Flowing
Temp °C	12					12	11				12	11	11.5	11.5		
PH	8.20					7.6	7.8				7.7	7.4	7.45	7.65		
Conductivity μmhos	169					174	178				180	420	560	460		
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

Date: 8-16-82 Time: Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.852				18.91	2.0	2.0		7.32	Trace	2.0	2.0	2.0	18.28	2.09	
Temp °C	17				15	16	16		16		16	16	16	16	17	
PH	8.12				8.07	7.80	7.72		7.85		7.86	7.84	7.83	7.82	8.09	
Conductivity μ mhos	8080				6140	8540	8230		4660		3160	1380	1780	1550	3680	
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

Date: 8-26-82 Time: p.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					3.02	2.0	2.0		0.49		2.0	Trace				
Temp °C					17	20	20		20		19					
PH					8.16	7.51	7.59		8.04		7.54					
Conductivity μ mhos					6900	6880	6890		6540		6010					
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: 8-30-82 Time: p.m. Observer: P. Ralphs																
Volume	0.50				4.84	2.0	2.0		4.76		2.0	1.11				
Temp °C	22				19	21	21		21		20	20				
PH	8.12				8.31	7.67	7.71		8.00		7.56	7.80				
Conductivity μ mhos	6920				7260	7400	7620		7240		6820	6460				

Date: 8-16-82 Time: Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.852				18.91	2.0	2.0		7.32	Trace	2.0	2.0	2.0	18.28	2.09	
Temp °C	17				15	16	16		16		16	16	16	16	17	
PH	8.12				8.07	7.80	7.72		7.85		7.86	7.84	7.83	7.82	8.09	
Conductivity μ mhos	8080				6140	8540	8230		4660		3160	1380	1780	1550	3680	
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

Date: 8-19-82 Time: p.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.28				11.15	2.0	2.0		3.03		2.0	1.0			T	
Temp °C	18				14	15	15		15		15	15				
PH	7.94				8.04	7.58	7.51		7.88		7.60	7.58				
Conductivity μ mhos	4780				5170	6400	7180		6890		4380	4930				
Date: 8-24-82 Time: p.m. Observer: P. Ralphs																
Volume Liters	0.37					2.0	2.0		12.72		2.0	0.67				
Temp °C	23				19	22	22		20		20	22				
PH	8.09				8.22	7.68	7.69		7.92		7.54	8.02				
Conductivity μ mhos	6700				6660	7530	7490		7130		5590	5710				

Date: 9-8-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.69				6.68	2.0	2.0		10.60		2.0	2.0	0.87			
Temp °C	11				11	11	11		11		11	11	11			
PH	8.10				8.29	7.67	7.67		8.0		7.42	7.67	7.69			
Conductivity μ mhos	6720				7060	6730	7570		7010		6130	6450	6450			
Date: 9-8-82 Time: a.m. Observer: P. Ralphs																
Volume																
Temp																
PH																
Conductivity																
Date: 9-13-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	0.37				20.95	2.0	2.0		18.60		2.0	2.0	2.0	17.65		
Temp °C	12				12	12	12		12		12	12	12	12		
PH	8.07				8.12	7.67	7.78		7.84		7.75	7.98	7.96	7.81		
Conductivity μ mhos	6510				5790	7320	7450		6370		2660	2450	2480	1660		

Date: 9-14-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	Trace				21.1						2.0	2.0	2.0	18.92	3.62	Approximate flow rate during sampling time (1:45-3:45) for all 3 lines. (Teflon lines for 20' & 15' and PVC line for 10') was just slightly less than 1 liter per hr.
Temp °C					11	12	12				12	12	12	11	12	
PH					8.09	7.77	7.80		7.80		7.80	7.89	7.93	7.96	8.15	
Conductivity μ mhos					6060	6240	6100		6330		5670	3820	3390	2380	2920	
Date: 9-15-82 Time: a.m. Observer: P. Ralphs																
Volume																
Temp																
PH																
Conductivity																
Date: 9-15-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	Trace				15.26	2.0	2.0		18.68		2.0	2.0	2.0	11.06	0.56	Flow rate at sampling time was \approx 1 liter per hour for all three lines.
Temp °C					13	14	14		14		14	13	14	14	16	
PH					8.11	7.84	7.87		7.86		7.86	7.90	7.92	7.92	8.17	
Conductivity μ mhos					6230	7080	6730		6900		5750	5720	5660	6010	4410	

Date: 9-16-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					11.12	2.0	2.0		7.45		2.0	2.0	2.0	8.67		
Temp °C					14	14	14		14		14	14	14	14		
PH					8.12	7.86	7.83		7.90		7.84	7.82	7.85	7.89		
Conductivity μ mhos					6610	7090	7480		7520		6630	6510	6540	6530		
Date: 9-20-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	0.5				21.1	2.0	2.0		21.5		2.0	2.0	2.0	20.4	2.7	
Temp °C	14				13	13	13		13		13	13	14	14	13	
PH	8.17				8.19	7.83	7.83		7.93		7.85	7.87	7.85	7.98	8.38	
Conductivity μ mhos	6310				6130	7210	7230		6900		6620	6260	6620	6490	5250	
Date: 9-21-82 Time: a.m. Observer: P. Ralphs																
Volume Liters	Trace				4.5	2.0	2.0		3.0		2.0	2.0	2.0	1.6	Trace	
Temp °C					14	15	15		15		14	14	14	14		
PH					8.26	7.95	7.90		8.03		7.98	7.96	7.94	7.99		
Conductivity μ mhos					6150	7250	7430		7430		6810	6860	6970	6960		

Date: 9-22-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					4.1	2.0	2.0		1.5		2.0	2.0	2.0	0.5		
Temp °C					16	16	17		16		15	15	15	15		
PH					8.11	7.77	7.75		7.91		7.73	7.80	7.79	7.80		
Conductivity μ mhos					6570	7640	7700		7680		6880	6740	6810	6740		
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																
Date: Time: Observer:																
Volume																
Temp																
PH																
Conductivity																

LYSIMETER CHECK
C.B. TRACT

Date: 9-27-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters	0.4				9.8	2.0	2.0		20.3		2.0	2.0	2.0	15.8		
Temp °C	15				16	15	15		15		14	14	14	15		
PH	8.13				8.24	7.71	7.72		7.79		7.79	7.81	7.78	7.80		
Conductivity μ mhos	6310				6640	7180	7110		7380		6620	6850	6780	6810		
Date: 9-28-82 Time: a.m. Observer: P. Ralphs																
Volume Liters					3.4	2.0	2.0		1.2		2.0	2.0	1.4		0.9	
Temp °C					11	10	11		11		11	11	10		11	
PH					8.15	7.85	7.85		7.93		7.76	7.84	7.86		8.27	
Conductivity μ mhos					5620	6590	6570		6700		5780	4780	4840		5300	
Date: 9-29-82 Time: a.m. Observer: P. Ralphs																
Volume Liters					8.4	2.0	2.0		1.5		2.0	2.0	2.0	4.7		
Temp °C					11	10	11		11		10	10	10	10		
PH					8.06	7.86	7.85		7.86		7.84	7.87	7.88	7.86		
Conductivity μ mhos					5170	7280	7120		6340		5370	3180	3710	2980		

Date: 9/30/82 Time: p.m. Observer: P. Ralphps	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					12.5	2.0	2.0		14.8		2.0	2.0	2.0	7.8		
Temp °C					15	15	15		15		15	15	14	14		
PH					8.10	7.84	7.85		7.88		7.77	7.87	7.87	7.92		
Conductivity μ mhos					5430	6070	6220		6060		6030	5510	6060	5880		
Date: 10-4-82 Time: a.m. Observer: P. Ralphps																
Volume Liters	0.5				21.0	2.0	2.0		20.6		2.0	2.0	2.0	20.0	2.7	
Temp °C	10				13	9	9		12		9	9	9	9	9	
PH	8.04				8.04	7.82	7.83		7.69		7.86	7.87	7.89	7.90	8.15	
Conductivity μ mhos	6120				6110	7110	6770		7140		6770	6350	5870	4420	5320	
Date: 10-5-82 Time: Noon Observer: P. Ralphps																
Volume Liters					4.4	2.0	2.0		6.7		2.0	2.0	2.0	5.6		
Temp °C					9	9	10		10		10	10	10	10		
PH					8.07	7.75	7.79		7.84		7.68	7.73	7.76	7.80		
Conductivity μ mhos					6870	7870	7730		7880		7370	7360	7420	7460		

Date: 10-7-82 Time: a.m. Observer: P. Ralphs	10 Foot					15 Foot					20 Foot					COMMENTS
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Volume Liters					6.0	2.0	2.0		9.1		2.0	2.0	2.0	6.6		
Temp °C					9	8	8		9		8	9	8	8		
PH					8.088	8.4	8.84		7.90		7.80	7.83	7.88	7.88		
Conductivity μ hos					6140	7030	6920		7000		6670	6570	6700	6690		
Date: 10-11-82 Time: Noon Observer: P. Ralphs																
Volume Liters	0.4				10.2	2.0	2.0		11.2		2.0	2.0	2.0	8.4	5.4	
Temp °C	6				5	6	6		6		5	6	5	6	5	
PH	8.07				8.057	8.4	7.83		7.89		7.92	7.88	7.88	7.87	8.06	
Conductivity μ hos	6570				6040	7460	7380		7260		7620	7560	7040	7750	7300	
Date: 10-20-80 Time: a.m. Observer: P. Ralphs																
Volume Liters	0.5				7.7	2.0	2.0		20.1	3.9	2.0	2.0	2.0	17.2	2.6	
Temp °C	8				9	7	8		7	8	8	8	7	8	8	
PH	7.96				8.05	7.71	7.70		7.89	8.09	7.65	7.68	7.74	7.74	8.13	
Conductivity μ hos	6280				5950	7150	6580		7160	7660	7130	6930	6740	6960	6840	

**SUPPLEMENTAL
WATER DATA**

2.2.1.9 Supplemental Water Data - Hydrology

Daily flow readings from Willow and Hunter Creeks are reported in this section for water year 1982 (October 1981 - September 1982). These data are collected by the Division of Water Resources. Reporting of these stations are required by the WAP; see Tables 2.2.1.9-1 and 2.2.1.9-2.

Levels data for wells monitoring the Uintah Zone and composites of all aquifer zones are presented in Tables 2.2.1.9-3 and 2.2.1.9-4. Plots of the water levels in two composite wells are displayed in Figures 2.2.1.9-1 and 2.2.1.9-2. Plots for two Uintah Zone wells are displayed in Levels and Flows Section 2.2.1 as overlays with other wells. Refer to Table 2.2.1-1 for the corresponding page number of these wells.

TABLE 2.2.1.9-1

Willow Creek - Shell Station													Water Year October 1981 to September 1982	
Discharge In Cubic Feet Per Second														
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	1.1	1.1	1.5	1.4	1.5		1.7	1.9	1.4	1.0	.7	.4		
2	1.1	1.1	1.5	1.4	1.6		1.7	1.9	1.4	.8	.7	.4		
3	1.1	1.1	1.5	1.4	1.6		1.7	1.9	1.3	.8	.7	.5		
4	1.1	1.2	1.5	1.4	1.6		1.7	1.8	1.3	.8	.7	.5		
5	1.1	1.2	1.5	1.4	1.6		2.1	1.9	1.4	.9	.7	.5		
6	1.1	1.3	1.5	1.4	1.6		2.2	1.9	1.4	.9	.7	.5		
7	1.1	1.3	1.5	1.4	1.6		2.2	1.9	1.4	.9	.6	.5		
8	1.1	1.3	1.5	1.4	*		2.2	1.9	1.4	.9	.6	.5		
9	1.1	1.3	1.5	1.4			2.1	1.9	1.4	.9	.6	.5		
10	1.1	1.3	1.5	1.4			2.1	1.9	1.4	.9	.6	.5		
11	1.1	1.3	1.5	1.4			2.1	1.9	1.3	.9	.6	.6		
12	1.1	1.3	1.5	1.4			2.1	2.1	1.5	.8	.6	.5		
13	1.1	1.2	1.5	1.4			2.1	2.2	1.4	.8	.6	.6		
14	1.1	1.2	1.5	1.4		2.3	2.1	2.0	1.5	.8	.6	.6		
15	1.2	1.2	1.5	1.4		2.4	2.1	1.9	1.4	.8	.6	.5		
16	1.2	1.2	1.6	1.4		2.4	2.0	1.9	1.4	.8	.6	.5		
17	1.1	1.2	1.3	1.4		2.4	1.8	2.0	1.4	.8	.6	.5		
18	1.1	1.2	1.3	1.4		2.3	1.8	1.9	1.4	.8	.6	.6		
19	1.1	1.2	1.3	1.4		2.3	1.8	1.4	1.3	.7	.5	.6		
20	1.1	1.1	1.3	1.5		2.2	1.8	1.5	1.2	.7	.5	.6		
21	1.1	1.3	1.3	1.5		2.2	1.8	1.2	1.2	.7	.5	.5		
22	1.1	1.3	1.3	1.5		2.2	1.9	1.3	1.2	.7	.5	.5		
23	1.1	1.3	1.3	1.5		2.2	1.8	1.4	1.2	.7	.5	.5		
24	1.2	1.3	1.3	1.5		2.2	1.8	1.3	1.2	.8	.4	.5		
25	1.2	1.4	1.3	1.5		2.2	1.8	1.3	1.2	.8	.4	.5		
26	1.2	1.4	1.4	1.5		2.1	1.7	1.3	1.2	.8	.4	.5		
27	1.2	1.4	1.4	1.5		2.1	1.8	1.3	1.2	.8	.4	.5		
28	1.1	1.4	1.4	1.5		2.1	1.8	1.1	1.1	.8	.4	.6		
29	1.1	1.4	1.3	1.5		2.0	1.9	1.1	1.1	.7	.4	.6		
30	1.1	1.4	1.3	1.5		1.9	1.9	1.2	1.1	.7	.4	.6		
31	1.1		1.4	1.5		1.8	1.9	1.3		.7	.4			
Total	34.7	37.9	44.0	44.6	11.1	39.3	57.6	51.5	39.3	24.9	17.1	15.7		
Ac-ft	68.8	75.2	87.3	88.5	22.0	78.0	114.2	102.1	78.0	49.4	33.9	31.1		

TABLE 2.2.1.9-2

Discharge In Cubic Feet Per Second													Hunter Creek - Shell Station				Water Year October 1981 to September 1982			
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.								
1	1.2	1.2	1.1	1.1	1.1		1.2	1.1	1.1	1.0	.8	.9								
2	1.2	1.3	1.1	1.1	.2		1.1	1.1	1.1	.9	.9	.9								
3	1.3	1.2	1.1	1.1	.2		.9	1.1	1.1	.9	.8	.9								
4	1.4	1.2	1.1	1.1	.2		.8	1.1	1.1	.9	.8	.9								
5	1.2	1.2	1.1	1.1	.2	1.3	.8	.9	1.1	.9	.8	.8								
6																				
7	1.2	1.2	1.1	1.1	.2	1.4	1.0	1.0	1.1	.9	.8	.8								
8	1.3	1.2	1.1	1.1	* .	1.4	1.3	.9	1.1	1.0	.9	.8								
9	1.2	1.2	1.0	1.1		1.3	1.2	.6	1.1	1.0	.9	.8								
10	1.2	1.2	1.1	1.1		1.2	1.2	.4	1.1	.5	.9	.8								
11																				
12	1.2	1.2	1.1	1.1		1.2	1.2	.6	1.1	.2	.9	.8								
13	1.2	1.2	1.1	1.1		1.2	1.2	1.4	1.1	.7	.9	.8								
14	1.2	1.2	1.0	1.1		1.2	1.1	1.3	1.1	.7	.9	.9								
15	1.3	1.1	1.1	1.1		1.3	1.1	1.2	1.1	.6	.9	.8								
16																				
17	1.3	1.1	1.1	1.1		1.3	1.1	1.1	1.1	.5	.9	.8								
18	1.2	1.2	1.0	1.1		1.3	1.1	1.1	1.1	.8	.9	.8								
19	1.2	1.1	1.0	1.1		1.3	1.1	1.1	1.0	.9	.9	.9								
20	1.2	1.1	1.0	1.1		1.3	1.1	1.1	1.1	.9	.8	.8								
21																				
22	1.2	1.1	1.0	1.1		1.3	1.1	1.1	1.1	.9	.8	.8								
23	1.2	1.1	.9	1.1		1.2	1.1	.3	1.1	.9	.8	.8								
24	1.2	1.1	1.0	1.1		1.2	1.1	.6	1.0	.8	.9	.8								
25	1.2	1.1	1.0	1.1		1.2	1.1	.8	1.0	.8	.9	.8								
26																				
27	1.2	1.1	1.0	1.2		1.3	1.1	.8	1.0	.8	.9	.8								
28	1.2	1.1	1.0	1.1		1.3	1.1	1.0	1.0	.7	.9	.8								
29	1.2	1.1	1.1	1.1		1.3	1.1	.9	1.0	.5	.9	.8								
30	1.2	1.1	1.1	1.1		1.3	1.1	1.0	1.0	.5	.9	.8								
31	1.2	1.1	1.1	1.1		1.3	1.1	1.1	1.0	.8	.9	.8								
Total	37.8	34.6	32.8	34.2	2.3	34.5	33.0	29.8	32.1	24.3	27.1	24.7								
Ac-ft	75.0	68.6	65.1	67.8	4.6	68.4	65.4	59.1	63.7	48.2	53.8	49.0								

1982 Total SFD
1982 Total Ac. Ft.

347.2
688.7

Colorado Printing Co., Grand Junction, Colo.

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TABLE 2.2.1.9-3

CB-TRACT
 WATER LEVELS
 UTAH FORMATION ZONE
 FOR SAMPLE DATE SHOWN

YR	MO	DY	WELL ID	
			WC17 DEPTH (FT)	WC91 DEPTH (FT)
82	6	16		6529
		17	6656	
	8	16		6526
		17	6653	
	10	15	6653	
	12	12	6651	

PLUGGD = WELL PLUGGED
 DRY = WELL DRY
 FLWING = WELL FLOWING
 INACCS = WELL INACCESSABLE

TABLE 2.2.1.9-4

CE-TR-01
 WATER LEVELS IN COMPOSITE WELLS
 REQUIRED BY WATER AUGMENTATION PLAN
 FOR SAMPLE DATE SHOWN

WELL ID - MEASURING POINT ELEVATION (FT)

WV01 WV02 WV03 WV04 WV05 WV10 WV37

DEPTH DEPTH DEPTH DEPTH DEPTH DEPTH DEPTH
 (FT) (FT) (FT) (FT) (FT) (FT) (FT)

YR	MO	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)	DEPTH (FT)
02	5						5600
	7	5330			7358	05	5600
	8					09	5590
	9						5570
	10	5330	20	0	0	7358	5564
	11						5550
	12						5541

PLUGGD = WELL PLUGGED

DRY = WELL DRY

FLOWING = WELL FLOWING

INACCS = WELL INACCESSABLE

CB WELL LEVELS DATA

LOC=WW01

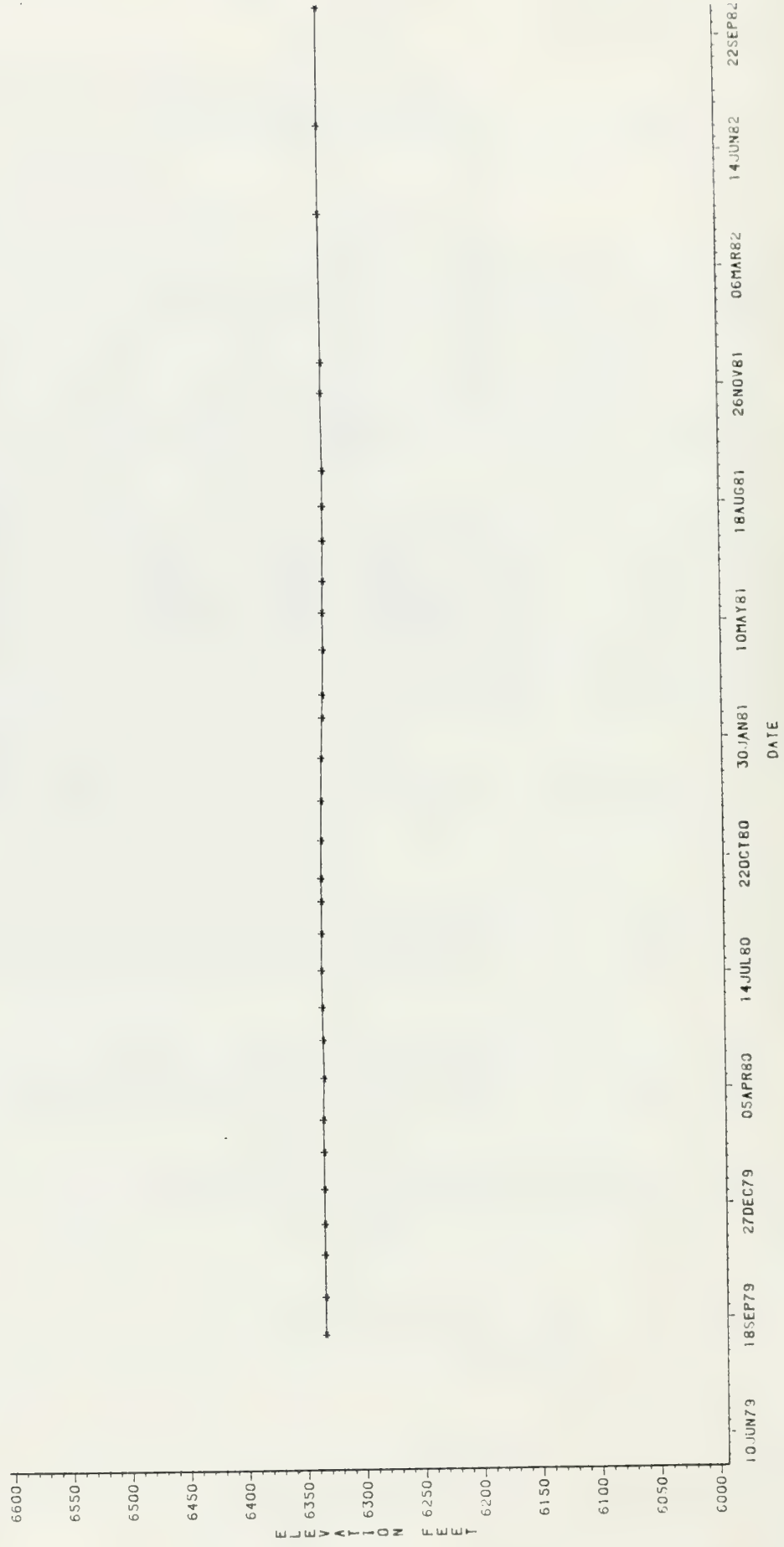


FIGURE 2.2.1.9-1

CB WELL LEVELS DATA

LOC=VV05

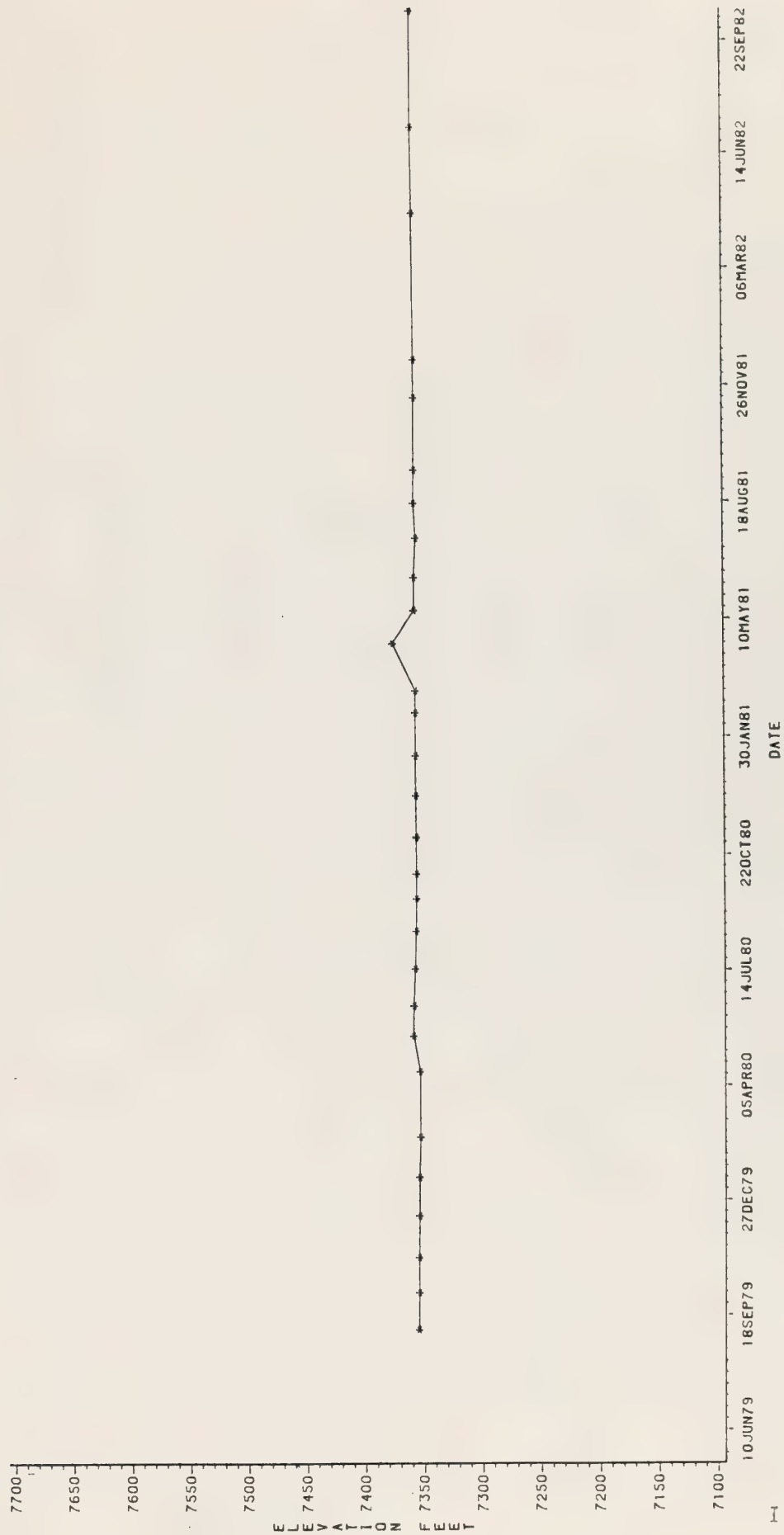


FIGURE 2.2.1.9-2

2.2.2 Water Quality

Water samples taken at USGS surface streams, springs and seeps, alluvial and bedrock wells, seepage wells, discharge points, shafts and shale dumps, were analyzed for various variables depending on the monitoring and reporting requirements of these water stations. Requirements for the Interim Monitoring Plan (IMP), the Water Augmentation Plan (WAP), and the National Pollutant Discharge Elimination System (NPDES) documents are identified within each subsection. Data tables are presented in these subsections for water samples taken in June through December 1982.

During this report period statistics were computer generated for variables analyzed on water samples taken at springs and seeps, alluvial and bedrock wells, and mine water discharges. Table 2.2.2-1 lists the variables and units measured for statistical tables presented in the subsections that follow. Statistical results generated were the mean, standard deviation, minimum value, maximum value and number of samples analyzed for each variable during October 1977 through September 1982. This time period covers 5 water years; 1978 - 1982.

Prior to generating these statistics an attempt was made to correct any values stored in the RAMIS data base water quality files which were entered incorrectly. Data tables were run for water stations sampled since Baseline, November 1974 through December 1982. These tables appear in the Water Quality Assurance Section 2.2.4. Refer to the list of tables in that section to find any specific water types.

Similar statistics were generated for USGS stream gauging stations 007 and 061 as for other water types. The standard error of the mean, sum of the variables, variance, and coefficient of variation were generated in addition to the mean, standard deviation, minimum and maximum values for the number of samples analyzed in three water years, November 1979 through September 1982.

Time series plots of various water quality parameters are presented in the Surface Streams and Springs and Seeps Sections (2.2.2.1 and 2.2.2.2) along with a brief summary.

TABLE 2.2.2-1

Water Constituent Units

<u>Variable</u>	<u>Table Abbreviation</u>	<u>Units</u>
Total Alkalinity	TALK	mg/l as CaCO ₃
Aluminum	AL	mg/l
Arsenic	ARS	mg/l
Fecal Coliform Bacteria	FCOLIF	Colonies/100 ml
Barium	BA	mg/l
Bicarbonate	HCO ₃	mg/l as CaCO ₃
Biological Oxygen Demand (5-day)	BOD	mg/l
Boron	B	mg/l
Bromide	BR	mg/l
Total Coliform	TCOLIF	Colonies/100 ml
Cadmium	CD	mg/l
Calcium	CA	mg/l
Carbonate	CO ₃	mg/l as CaCO ₃
Chloride	CL	mg/l
Chromium	CR	mg/l
Chemical Oxygen Demand	COD	mg/l
Copper	CU	mg/l
Dissolved Oxygen	DO	mg/l
Dissolved Organic Carbon	DOC	mg/l
Surfactants	LAS	mg/l
Fluoride	F	mg/l as CaCO ₃
Hardness (Ca + Mg)	HARD	mg/l
Iron	FE	mg/l
Kjeldahl-Nitrogen	KJN	mg/l
Lead	PB	mg/l as N
Lithium	LI	mg/l
Magnesium	MG	mg/l
Manganese	MN	mg/l
Mercury	HG	mg/l
Molybdenum	MOLY	mg/l
Nickel	NI	mg/l
Nitrate	NO ₃	mg/l
Oil and Grease	OLGR	mg/l
S ₂ O ₃	S ₂ O ₃	mg/l
pH	PH	units
Potassium	K	mg/l
Radioactivity - Alpha	RA	PCi/l
- Beta	BTR	PCi/l
- Radium 226	RR	PCi/l
Selenium	SE	mg/l
Silver	AG	mg/l
Sodium	NA	mg/l
Total Dissolved Solids	TDS	mg/l

TABLE 2.2.2-1 (Contd)
Water Constituent Units

<u>Variable</u>	<u>Table Abbreviation</u>	<u>Units</u>
Soluble Solids	SOLS	mg/l
Conductivity	SPC	μmhos
Strontium	SR	mg/l
Sulfate	SO ₄	mg/l
Temperature	TEMP	Degrees C
Zinc	ZN	mg/l
Total Organic Carbon	TOC	mg/l
Phenols	PHEN	mg/l
Cyanide	CYAN	mg/l
Ammonia	NH ₃	mg/l
Phosphate	PST	mg/l
Silica	SiO ₂	mg/l
Uranium	U	mg/l
Suspended Solids	SUSS	mg/l
Thorium	TH	mg/l
Cesium	CS	mg/l
Iodine	I	mg/l
Antimony	SB	mg/l
Zirconium	ZR	mg/l
Yttrium	Y	mg/l
Rubidium	RB	mg/l
Germanium	GE	mg/l
Gallium	GA	mg/l
Titanium	TI	mg/l
Scandium	SC	mg/l
Tungsten	W	mg/l
Cobalt	CO	mg/l
Vanadium	V	mg/l
Beryllium	BE	mg/l
Hydroxides	OH	mg/l
Conductive Hydrocarbons	CH	mg/l
P-Alkalinity	PA	mg/l
Mo-Alkalinity	MA	mg/l
Thiocyanate	SCN	mg/l
Turbidity	TURB	mg/l
Field Fluoride	FF	mg/l
Field Total Suspended Solids	TSSF	mg/l
Radium 228	R228	PCi/l

**SURFACE
STREAMS**

2.2.2.1 Surface Streams

Water samples were collected from 9 USGS stream gauging stations along Piceance Creek. See Figure 2.2.1.1-1 in Surface Streams subsection of the Levels and Flows Section 2.2.1. Water analyses data reported in this section are for 1982 water year (September 1981 - September 1982). Field data for this time period are not in the WATSTOR data base. Data should be available for the next semiannual report. Index to monitoring stations and data sampled are shown in Table 2.2.2.1-1 and water quality data are referenced in Table 2.2.2.1-2. Remark codes used in the data tables are shown in Table 2.2.2.1-3.

Statistics were run for the mean, standard deviation, minimum value, maximum value, standard error of the mean, the sum of the variables, the variance and coefficient of variation for water parameters HCO₃, CA, Mg, NA and SAR sampled from USGS stations 007 and 061. This study was done to determine potential impacts on the water in Piceance Creek above and below the discharge point on C-b Tract. Results of these statistics are reported on Table 2.2.2.1-4 for combined water years 1980 - 1981 (October 1979 - September 1981).

Time series plots of these variables for both stations are presented by water year following the statistics results. See Figures 2.2.2.1-1 through 2.2.2.1-10.

TABLE 2.2.2.1-1

SURFACE WATER DATA PRESENTED
ENVIRONMENTAL MONITORING REPORT

Stations	Daily Discharge (Flow)	Daily Mean Sediment & Discharge Data	Daily Dissolved Oxygen	Daily pH Readings	Daily Specific Conductance	Daily Temperature	Water Quality Data
09304800*(WU48)	(ND)	X			X	X	X
09306007*(WU07)	X	X	X		X	X	X
09306015 (WU15)	X	X					
09306022*(WU22)	X	X	X	X	X	X	X
09306025 (WU25)	X	X			X	X	X
09306028 (WU28)	X	X			X	X	X
09306033 (WU33)	X	X			X	X	X
09306036 (WU36)	X	X			X	X	X
09306039 (WU39)	X	X			X	X	X
09306042 (WU42)	X	X			X	X	X
09306050 (WU50)	X	X			X	X	X
09306052 (WU52)	X	X			X	X	X
09306058*(WU58)	X	X	X	X	X	X	X
09306061*(WU61)	X	X	X	X	X	X	X
09306200*(WU00)	(ND)	X			X	X	X
09306222*(WU62)	(ND)	X			X	X	X
09306255*(WU55)	(ND)	X			X	X	X

*Major Station

(ND) = Data Not Available

TABLE 2.2.2.1-2

Index to USGS Gauging Stations Water Quality Data

<u>Station Designation</u>	<u>Computer Code</u>	<u>Page No.</u>
09304800	WU48	I-204
09306007	WU07	I-210
09306022	WU22	I-216
09306042	WU42	I-222
09306058	WU58	I-228
09306061	WU61	I-234
09306200	WU00	I-240
09306222	WU62	I-246
09306255	WU55	I-252

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09304800 - WHITE RIVER BELOW MEEKER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA- LITY FIELD AS CAC03) (00410)	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	ARSENIC DIS- SOLVED (UG/L) AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L) AS HA) (01005)	BICAR- BONATE FET-FLD (MG/L) AS HC03) (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L) AS B) (01020)	BROMIDE DIS- SOLVED (MG/L) AS BH) (71870)	CADMIUM DIS- SOLVED (UG/L) AS CD) (01025)	CALCIUM DIS- SOLVED (MG/L) AS CA) (00915)	CAR- BONATE FET-FLD (MG/L) AS C03) (00445)
SEP, 1981												
11...	191	--	--	--	--	233	--	--	--	--	85	0
15...	173	--	--	--	--	202	--	--	--	--	78	4
25...	159	--	--	--	--	185	--	--	--	--	78	4
OCT												
02...	--	--	--	--	--	--	--	20	--	--	77	--
28...	--	--	--	--	--	--	--	20	--	--	71	--
DEC												
07...	--	--	--	--	--	--	--	20	--	--	71	--
JAN, 1982												
20...	--	--	--	--	--	--	--	20	--	--	68	--
FEB												
17...	--	--	--	--	--	--	--	20	--	--	68	--
MAR												
23...	--	--	--	--	--	--	--	30	--	--	76	--
APR												
23...	--	--	--	--	--	--	--	20	--	--	62	--
JUN												
09...	--	--	--	--	--	--	--	10	--	--	39	--
AUG												
04...	--	--	--	--	--	--	--	30	--	--	62	--
SEP												
22...	--	--	--	--	--	--	--	140	--	--	65	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09304800

PROCESS DATE 12/01/82
DISTRICT CODE 08

WHITE RIVER BELOW MEEKER, CO.

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR (01030)	COLI- FORM, FECAL, 0.45 UM-HF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVED (UG/L) AS CU (01040)	CYANIDE DIS- SOLVED (MG/L) AS CN (00723)	STREP- TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	IRON, DIS- SOLVED (UG/L) AS FE (01046)	LEAD, DIS- SOLVED (UG/L) AS PB (01049)
SEP 11...	--	33	--	--	--	--	--	--	--	--	--
15...	--	29	--	--	--	--	--	--	--	--	--
25...	--	28	--	--	--	--	--	--	--	--	--
OCT 23	--	23	--	--	--	--	--	--	.2	10	--
24	--	24	--	--	--	--	--	--	.2	17	--
DEC 20	--	20	--	--	--	--	--	--	.2	<10	--
JAN 20...	--	20	--	--	--	--	--	--	.3	<10	--
FEB 17...	--	17	--	--	--	--	--	--	.2	18	--
MAR 17	--	17	--	--	--	--	--	--	.2	6	--
23...	--	16	--	--	--	--	--	--	.2	13	--
APR 23...	--	3.7	--	--	--	--	--	--	.2	35	--
JUN 09...	--	9.3	--	--	--	--	--	--	.2	29	--
AUG 04...	--	10	--	--	--	--	--	--	.8	18	--
SEP 22...	--		--	--	--	--	--	--			--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09304800 - WHITE RIVER BELOW MEEKER, CO. PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L) AS LI (01130)	MANGANESE, DIS- SOLVED (MG/L) AS MG (00925)	MERCURY DIS- SOLVED (UG/L) AS HG (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L) AS MO (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS NO3 (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS NO2 (71856)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L) AS C (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C (00691)
SEP, 1981									
11...	--	24	--	--	--	--	--	--	--
15...	--	22	--	--	--	--	--	--	--
25...	--	21	--	--	--	--	--	--	--
OCT									
02...	--	22	--	--	--	--	--	--	--
28...	--	20	--	--	--	--	--	--	--
DEC									
07...	--	19	--	--	--	--	--	--	--
JAN, 1982									
20...	--	18	--	--	--	--	--	--	--
FEB									
17...	--	18	--	--	--	--	--	--	--
MAR									
21...	--	22	--	--	--	--	--	--	--
APR									
23...	--	16	--	--	--	--	--	--	--
JUN									
09...	--	11	--	--	--	--	--	--	--
AUG									
04...	--	18	--	--	--	--	--	--	--
SEP									
22...	--	17	--	--	--	--	--	--	--

PROCESS DATE 12/01/82
DISTRICT CODE 08

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09304800 - WHITE RIVER BELOW MEEKER, CO.

WATER QUALITY DATA

[illegible]

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09304800 - WHITE RIVER BELOW WEEKER, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP, 1981											
11...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
02...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
DEC											
07...	--	--	--	--	--	--	--	--	--	--	--
JAN, 1982											
20...	--	--	--	--	--	--	--	--	--	--	--
FEB											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR											
23...	--	--	--	--	--	--	--	--	--	--	--
APR											
23...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--
SEP											
22...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09304900

- WHITE RIVER BELOW MEEKER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)	SELE- NIUM, DIS- SOLVED (UG/L) AS SE) (01145)	SILICA, DIS- SOLVED (MG/L) AS SiO2) (00955)	SODIUM, DIS- SOLVED (MG/L) AS NA) (00930)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) AS NA) (00930)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	SULFATE DIS- SOLVED (MG/L) AS S) (00945)	SULFIDE DIS- SOLVED (MG/L) AS S) (00746)	ZINC, DIS- SOLVED (UG/L) AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L) AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L) AS CS-137) (03515)
SEP , 1981											
11...	3.0	--	--	38	--	--	156	--	--	--	--
15...	2.0	--	--	33	--	--	151	--	--	--	--
25...	2.0	--	--	31	--	--	142	--	--	--	--
OCT											
02...	1.4	--	14	29	413	--	150	--	--	--	--
28...	1.6	--	14	32	387	--	140	--	--	--	--
DEC											
07...	1.3	--	14	26	366	--	130	--	--	--	--
JAN , 1982											
20...	1.3	--	16	26	368	--	140	--	--	--	--
FEB											
17...	2.7	--	15	28	367	--	140	--	--	--	--
MAR											
23...	1.4	--	15	27	419	--	170	--	--	--	--
APR											
23...	1.6	--	13	19	316	--	110	--	--	--	--
JUN											
09...	1.0	--	12	9.5	180	--	40	--	--	--	--
AUG											
04...	1.3	--	17	17	319	--	99	--	--	--	--
SEP											
22...	1.2	--	14	16	321	--	110	--	--	--	--

09306007
 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALUMINUM, DIS- SOLVED (UG/L AS AL) (01106)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BICARBONATE, FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
SEP, 1981												
15...	470	--	.090	2	--	570	--	230	--	--	69	--
25...	517	--	--	--	--	630	--	--	--	--	--	--
OCT												
19...	--	10	<.060	2	100	--	--	220	.00	<1	75	--
NOV												
24...	--	--	.210	2	--	--	--	210	--	--	72	--
DEC												
30...	--	--	.140	2	--	--	--	200	--	--	65	--
MAR, 1982												
24...	--	--	.130	3	--	--	--	210	--	--	66	--
MAY												
19...	--	10	.150	3	110	--	--	180	.03	<3	77	--
JUN												
09...	--	--	.060	2	--	--	--	220	--	--	76	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09300007

- PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR) (01030)	COLI- FORM, FECAL, 0.45 UH-MF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVED (UG/L) AS CU) (01040)	CYANIDE DIS- SOLVED (MG/L) AS CN) (00723)	STREP- TOCOCO FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	LEAD, DIS- SOLVED (UG/L) AS PB) (01049)
SEP, 1981											
15...	--	14	--	--	--	--	--	--	1.0	13	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	30	10	0	--	K48	2	--	--	1.0	17	3
NOV											
24...	--	14	--	--	--	--	--	--	.9	11	--
DEC											
30...	--	17	--	--	--	--	--	--	1.0	11	--
MAR, 1982											
24...	--	11	--	--	--	--	--	--	1.0	7	--
MAY											
19...	12	11	<10	--	--	4	--	--	.8	12	2
JUN											
09...	--	14	--	--	--	--	--	--	.9	29	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L) AS LI (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN (01056)	MERCURY DIS- SOLVED (UG/L) AS HG (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L) AS MO (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS NO3 (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS NO2 (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L) AS C (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C (00691)
SEP , 1981											
15...	--	53	200	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	16	55	200	.0	.00	20	--	--	--	--	--
NOV											
24...	--	48	85	--	--	--	--	--	--	--	--
DEC											
30...	--	45	59	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	43	62	--	--	--	--	--	--	--	--
MAY											
19...	19	46	130	<.1	--	8	--	--	--	--	--
JUN											
09...	--	51	210	--	--	--	--	--	--	--	--

PROCESS DATE 12/01/82
DISTRICT CODE 08

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
MAY											
19...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306007 - PICEANCE CREEK BELOW RIO BLANCO, CO.

PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCH, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	1
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAR , 1982											
24...	--	--	--	--	--	--	--	--	--	--	1
MAY											
19...	--	--	--	--	--	--	--	--	--	--	<1
JUN											
09...	--	--	--	--	--	--	--	--	--	--	1

UNIFIED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306007

- PICEANCE CHEEK BELOW RIO BLANCO, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
15...	3.2	--	16	140	798	--	220	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	3.5	0	17	160	822	1700	210	--	12	--	<9.4
NOV											
24...	2.2	--	15	130	707	--	170	--	--	--	--
DEC											
30...	2.2	--	16	120	671	--	150	--	--	--	--
MAR , 1982											
24...	2.3	--	15	110	634	1400	160	--	--	--	--
MAY											
19...	4.2	1	17	120	718	1400	180	--	<12	5.6	13
JUN											
09...	3.3	--	15	140	780	1600	180	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	ALKALINITY FIELD (MG/L AS CAC03) (00410)	ALUMINUM, DIS- SOLVED (UG/L AS AL) (01106)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BICARBONATE FET-FLD (MG/L AS HC03) (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CARBONATE FET-FLD (MG/L AS C03) (00445)
SEP , 1981												
15...	410	--	.090	1	--	500	--	70	--	--	87	--
OCT												
19...	--	20	<.060	1	45	--	--	70	.10	<1	86	--
NOV												
24...	--	--	.170	1	--	--	--	80	--	--	90	--
DEC												
30...	--	--	.090	<1	--	--	--	90	--	--	88	--
MAY , 1982												
19...	--	<10	.070	1	49	--	--	80	.05	<3	90	--
SEP												
21...	--	--	<.060	1	--	--	--	210	--	--	89	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	CHLORIDE, DIS-SOLVED (MG/L) AS CL) (00940)	CHROMIUM, DIS-SOLVED (UG/L) AS CH) (01030)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML) (31501)	COPPER, DIS-SOLVED (UG/L) AS CU) (01040)	CYANIDE, DIS-SOLVED (MG/L) AS CN) (00723)	STREPTOCOCCI, FECAL, COLS. PER 100 ML) (31679)	FLUORIDE, DIS-SOLVED (MG/L) AS F) (00950)	IRON, DIS-SOLVED (UG/L) AS FE) (01046)	LEAD, DIS-SOLVED (UG/L) AS PB) (01049)
SEP 15... 1981	--	12	--	--	--	--	--	--	.5	<10	--
OCT 19... 1981	21	6.4	0	--	180	0	--	--	.3	<10	1
NOV 24... 1981	--	6.3	--	--	--	--	--	--	.2	<10	--
DEC 30... 1981	--	6.6	--	--	--	--	--	--	.3	<10	--
MAY 19... 1982	15	6.3	<10	--	--	2	--	--	.3	<9	<1
SEP 21... 1982	--	6.4	--	--	--	--	--	--	.3	4	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09J06022 - STEWART GULCH AR WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
15...	--	71	2	--	--	--	--	--	--	--	--
OCT											
19...	16	71	1	.0	.00	<10	--	--	--	--	--
NOV											
24...	--	74	1	--	--	--	--	--	--	--	--
DEC											
30...	--	73	1	--	--	--	--	--	--	--	--
MAY , 1982											
19...	20	71	3	<.1	--	3	--	--	--	--	--
SEP											
21...	--	73	3	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DUT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TUX- APHENE, TOTAL (UG/L) (39400)
SEP , 1981											
15...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1982											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
21...	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA

DATE	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCA, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP, 1981	--	--	--	--	--	--	--	--	--	--	1
15...	--	--	--	--	--	--	--	--	--	--	3
OCT	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
NOV	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
DEC	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	6
MAY, 1982	--	--	--	--	--	--	--	--	--	--	2
19...	--	--	--	--	--	--	--	--	--	--	--
SEP	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306022 - STEWART GULCH AB WEST FORK, NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS NA) (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981	1.3	--	16	120	897	--	340	--	--	--	--
15...											
OCT	1.3	0	16	130	926	2800	380	--	7	--	<12
19...											
NOV	1.2	--	16	130	916	--	360	--	--	--	--
24...											
DEC	1.2	--	16	120	911	--	350	--	--	--	--
30...											
MAY , 1982	1.3	<1	16	120	901	2700	350	--	<12	1.4	<12
19...											
SEP	1.3	--	16	120	907	2800	350	--	--	--	--
21...											

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALUMINUM, DIS- SOLVED (UG/L AS AL) (01106)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BICARBONATE, FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CARBONATE FET-FLD (MG/L AS CO3) (00445)
SEP 9 1981	870	--	.330	7	--	1060	--	790	--	--	13	--
15...	--	--	--	--	--	--	--	710	--	--	10	--
JUL 4 1982	--	--	.120	2	--	--	--	1000	--	--	9.2	--
24...	--	--	.070	1	--	--	--	--	--	--	--	--
SEP 21...	--	--	--	--	--	--	--	--	--	--	--	--

09J06042

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
- PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO.

PROCESS DATE 78/07/88
DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) AS CL) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR) (01030)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVED (UG/L) AS CU) (01040)	CYANIDE DIS- SOLVED (MG/L) AS CN) (00723)	STREP- TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	LEAD, DIS- SOLVED (UG/L) AS PB) (01049)
SEP 15 1981	--	12	--	--	--	--	--	--	19	20	--
JUL 28 1982	--	7.6	--	--	--	--	--	--	18	40	--
SEP 21 1982	--	8.2	--	--	--	--	--	--	.3	40	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP * 1981	--	7.2	0	--	--	--	--	--	--	--	--
15...	--	6.1	10	--	--	4.3	.07	--	--	--	--
JUL * 1982	--	6.2	10	--	--	--	--	--	--	--	--
28...	--			--	--						
SEP	--			--	--						
21...	--			--	--						

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L) AS C (00690)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L) AS P04 (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
SEP * 1981	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
JUL * 1982	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
SEP	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCH, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP 15 1981	--	--	--	--	--	--	--	--	--	--	0
JUL 28 1982	--	--	--	--	--	--	--	--	--	--	3
SEP 21...	--	--	--	--	--	--	--	--	--	--	<1

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306042 - PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)		SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)		SODIUM, DIS- SOLVED (MG/L AS NA) (00930)		SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS SR) (70301)		STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)		SULFATE DIS- SOLVED (MG/L AS SO4) (00945)		SULFIDE DIS- SOLVED (MG/L AS S) (00746)		ZINC, DIS- SOLVED (UG/L AS ZN) (01090)		GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)		GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	
	SEP , 1981	15...	35	510	1400	--	260	--	880	900	21	--	--	--	--	--	--	--	--	
JUL , 1982	3.7	--	15	480	1240	--	80	--	880	900	21	--	--	--	--	--	--	--	--	
28...	1.9	--	15	560	1340	--	21	--	900	900	21	--	--	--	--	--	--	--	--	
SEP	1.7	--	15	560	1340	--	21	--	900	900	21	--	--	--	--	--	--	--	--	
21...	1.7	--	15	560	1340	--	21	--	900	900	21	--	--	--	--	--	--	--	--	

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKA- LITY FIELD (MG/L AS CAC03) (00410)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BICAR- BONATE FET-FLD (MG/L AS HCO3) (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L AS B) (01020)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	CAR- BONATE FET-FLD (MG/L AS C03) (00445)
SEP * 1981												
15...	370	--	.080	1	--	450	--	100	--	--	80	--
25...	443	--	--	--	--	540	--	--	--	--	--	--
OCT												
19...	--	20	<.060	1	53	--	--	90	.00	<1	85	--
NOV												
24...	--	--	.160	1	--	--	--	100	--	--	89	--
DEC												
30...	--	--	.090	1	--	--	--	100	--	--	90	--
MAY * 1982												
19...	--	10	.080	1	56	--	--	110	.01	<3	62	--
SEP												
21...	--	--	.060	1	--	--	--	240	--	--	90	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058
- WILLOW CREEK NEAR RIO BLANCO, CO.

DATE _____
OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)

[illegible]

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306058

- WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
SEP , 1981											
15...	--	68	3	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	15	71	1	.0	.00	<10	--	--	--	--	--
NOV											
24...	--	73	3	--	--	--	--	--	--	--	--
DEC											
30...	--	69	5	--	--	--	--	--	--	--	--
4AY , 1982											
19...	16	66	3	<.1	--	9	--	--	--	--	--
SEP											
21...	--	72	3	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, URIC, DISE- SOLVED (MG/L AS P04) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN, TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
SEP, 1981										
15...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
OCT										
19...	--	--	--	--	--	--	--	--	--	--
NOV										
24...	--	--	--	--	--	--	--	--	--	--
DEC										
30...	--	--	--	--	--	--	--	--	--	--
MAY, 1982										
19...	--	--	--	--	--	--	--	--	--	--
SEP										
21...	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306058 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA- CHLOR. TOTAL (UG/L) (39410)	HEPTA- CHLOR. EPOXIDE TOTAL (UG/L) (39420)	PCH, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP 9 1981	--	--	--	--	--	--	--	--	--	--	1
15...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT	--	--	--	--	--	--	--	--	--	--	1
19...	--	--	--	--	--	--	--	--	--	--	--
NOV	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
DEC	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
MAY 9 1982	--	--	--	--	--	--	--	--	--	--	1
19...	--	--	--	--	--	--	--	--	--	--	--
SEP	--	--	--	--	--	--	--	--	--	--	4
21...	--	--	--	--	--	--	--	--	--	--	--

09306058
 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 - WILLOW CREEK NEAR RIO BLANCO, CO.

PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
15...	1.2	--	16	110	809	--	300	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	1.4	1	16	130	868	2900	340	--	9	--	<8.6
24...	1.5	--	15	120	864	--	330	--	--	--	--
DEC											
30...	1.4	--	16	120	856	--	300	--	--	--	--
MAY , 1982											
19...	2.3	1	8.0	110	777	2400	310	--	<12	--	<11
SEP											
21...	1.6	--	17	120	859	3200	320	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306061 - PISCANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	ALKA- LITY FIELD AS CAC03 (00410)	ALUM- INUM- DIS- SOLVED (UG/L) AS AL (01106)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00600)	ARSENIC DIS- SOLVED (UG/L) AS AS (01000)	BARIUM, DIS- SOLVED (UG/L) AS BA (01005)	BICAR- BONATE FET-FLD (MG/L) AS HCO3 (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L) AS B (01020)	BROMIDE DIS- SOLVED (MG/L) AS BR (71870)	CADMIUM DIS- SOLVED (UG/L) AS CD (01025)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	CAR- BONATE FET-FLD (MG/L) AS C03 (00445)
SEP, 1981												
15...	500	--	.100	2	--	610	--	240	--	--	76	--
25...	574	--	--	--	--	700	--	--	--	--	--	--
OCT												
19...	--	20	.090	3	74	--	--	240	.10	<1	76	--
NOV												
24...	--	--	.210	2	--	--	--	200	--	--	81	--
DEC												
30...	--	--	.100	2	--	--	--	180	--	--	67	--
MAR, 1982												
24...	--	--	.090	3	--	--	--	170	--	--	75	--
MAY												
19...	--	30	.110	3	83	--	--	240	.04	<3	79	--
JUN												
09...	--	--	.070	3	--	--	--	230	--	--	80	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	CHRO- MIUM, DIS- SOLVED (MG/L) AS CR (01030)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	CUPPER, DIS- SOLVED (UG/L) AS CU (01040)	CYANIDE DIS- SOLVED (MG/L) AS CN (00723)	STREP- TOCOCO FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	IRON, DIS- SOLVED (UG/L) AS FE (01046)	LEAD, DIS- SOLVED (UG/L) AS PB (01049)
SEP, 1981											
15...	--	16	--	--	--	--	--	--	.8	19	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	25	15	0	--	K23	2	--	--	.8	16	3
NOV											
24...	--	11	--	--	--	--	--	--	.6	15	--
DEC											
30...	--	10	--	--	--	--	--	--	.8	16	--
MAR, 1982											
24...	--	12	--	--	--	--	--	--	.7	9	--
MAY											
19...	31	13	<10	--	--	6	--	--	.9	13	2
JUN											
09...	--	14	--	--	--	--	--	--	.9	19	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L) AS LI (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN (01056)	MERCURY DIS- SOLVED (UG/L) AS HG (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L) AS MO (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS NO3 (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS NO2 (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L) AS C (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C (00691)
SEP + 1981											
15...	--	74	100	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	15	73	130	.0	.00	20	--	--	--	--	--
NOV											
24...	--	65	72	--	--	--	--	--	--	--	--
DEC											
30...	--	63	50	--	--	--	--	--	--	--	--
MAR + 1982											
24...	--	59	34	--	--	--	--	--	--	--	--
MAY											
19...	19	71	170	<.1	--	12	--	--	--	--	--
JUN											
09...	--	78	190	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08. PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	CARBON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, OR PHO, DIS- SOLVED (MG/L AS P04) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDE, TOTAL (UG/L) (39360)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
SEP 15, 1981	--	--	--	--	--	--	--	--	--	--
OCT 25, 1981	--	--	--	--	--	--	--	--	--	--
NOV 19, 1981	--	--	--	--	--	--	--	--	--	--
DEC 24, 1981	--	--	--	--	--	--	--	--	--	--
MAR 30, 1982	--	--	--	--	--	--	--	--	--	--
MAY 24, 1982	--	--	--	--	--	--	--	--	--	--
JUN 19, 1982	--	--	--	--	--	--	--	--	--	--
JUN 09, 1982	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	HEPTA- CHLOR- TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCH, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP * 1981											
15...	--	--	--	--	--	--	--	--	--	--	2
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	0
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
30...	--	--	--	--	--	--	--	--	--	--	--
MAR * 1982											
24...	--	--	--	--	--	--	--	--	--	--	1
MAY											
19...	--	--	--	--	--	--	--	--	--	--	2
JUN											
09...	--	--	--	--	--	--	--	--	--	--	2

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306061 - PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	POTAS- SIO4, DIS- SOLVED (MG/L AS K) (00935)	SEL- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP 1981											
15...	3.7	--	19	170	1010	--	350	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	3.5	1	18	180	1050	2500	350	--	8	--	<12
NOV											
24...	2.7	--	16	150	890	--	290	--	--	--	--
DEC											
30...	2.3	--	17	140	823	--	250	--	--	--	--
MAR 1982											
24...	.7	--	16	120	764	2100	260	--	--	--	--
MAY											
19...	4.4	1	17	180	1050	2300	340	--	20	.7	<15
JUN											
09...	3.3	--	17	190	1070	2500	340	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09J06200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	ALKALINITY FIELD AS CAC03 (00410)	ALUMINUM, DIS- SOLVED (UG/L) AS AL (01106)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00608)	ARSENIC DIS- SOLVED (UG/L) AS AS (01000)	BARIUM, DIS- SOLVED (UG/L) AS BA (01005)	BICAR- BONATE FET-FLD (MG/L) AS HC03 (00440)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DIS- SOLVED (UG/L) AS B (01020)	BROMIDE DIS- SOLVED (MG/L) AS BR (71870)	CADMIUM DIS- SOLVED (UG/L) AS CD (01025)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	CAR- BONATE FET-FLD (MG/L) AS C03 (00445)
SEP , 1981												
08...	650	--	--	4	100	790	--	300	--	<1	79	--
25...	730	--	--	--	--	890	--	--	--	--	--	--
DEC												
02...	--	--	--	2	77	--	--	200	--	<1	77	--
MAR , 1982												
24...	--	--	--	--	--	--	--	170	--	--	71	--
APR												
14...	--	--	.100	--	--	--	--	150	--	--	75	--
MAY												
24...	--	--	.060	3	91	--	--	260	--	--	82	--
JUN												
09...	--	--	.090	--	--	--	--	280	--	--	77	--
JUL												
29...	--	--	.190	--	--	--	--	250	--	--	88	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
- PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08
J9306200 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL)	CHL- RIDE, DIS- SOLVD (MG/L AS CL) (00940)	CHRO- MIUM, DIS- SOLVD (UG/L AS CR) (01030)	COLI- FORM, FECAL, 0.45 IMMU. (COLS. UN-MF (COLS.*/ 100 ML) (31616)	COLI- FORM, TOTAL, IMMU. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVD (UG/L AS CU) (01040)	CYANIDE DIS- SOLVD (MG/L AS CN) (00723)	STREP- TOCOCCI FECAL, SOLVED (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVD (MG/L AS F) (00950)	IRON, DIS- SOLVD (UG/L AS FE) (01046)	LEAD, DIS- SOLVD (UG/L AS PB) (01049)
SEP , 1981											
08....	--	17	--	--	--	4	--	--	.9	28	10
25....	--	--	--	--	--	--	--	--	--	--	--
DEC											
02....	--	15	--	--	--	<1	--	--	.8	12	1
MAR , 1982											
24....	--	14	--	--	--	--	--	--	.6	--	--
APR											
14....	--	16	--	--	--	--	--	--	.7	--	--
MAY											
24....	--	18	--	--	--	--	--	--	.8	37	--
JUN											
09....	--	21	--	--	--	--	--	--	1.0	--	--
JUL											
29....	--	18	--	--	--	--	--	--	.9	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08
 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (UG/L) AS LI (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN (01056)	MERCURY DIS- SOLVED (UG/L) AS HG (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L) AS MO (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS NO3 (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS NO2 (71856)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L) AS C (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C (00691)
SEP, 1981										
08...	16	110	140	.0	.10	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
DEC										
02...	16	71	54	<.1	.00	--	--	--	--	--
24...	--	67	--	--	--	--	--	--	--	--
APR										
14...	--	70	--	--	--	--	--	--	--	--
MAY										
24...	29	100	160	--	--	4	--	--	--	--
JUN										
09...	--	110	--	--	--	--	--	--	--	--
JUL										
29...	--	83	--	--	--	--	--	--	--	--

WATER QUALITY DATA

[illegible]

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08
 09306200 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCH, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS TOTAL (UG/L) (32730)
SEP 1 1981											
01...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	--	--	--	--	--	--	--	--	--	--
MAY 1 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
14...	--	--	--	--	--	--	--	--	--	--	--
MAY											
24...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--
JUL											
29...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306200 - PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO, CO. DISTRICT CODE 08 PROCESS DATE 12/01/82

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SELLE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP , 1981											
08...	3.8	1	19	250	1350	4000	480	--	4	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	2.5	1	17	160	978	2800	340	--	27	--	--
MAY 1 1982											
24...	2.3	--	15	140	873	2600	350	--	--	--	--
APR											
14...	2.5	--	15	140	934	2700	400	--	--	--	--
MAY											
24...	4.8	--	19	240	1360	3700	490	--	<12	--	--
JUN											
03...	3.8	--	19	270	1420	3000	490	--	--	--	--
JUL											
29...	5.7	--	19	210	1140	3000	420	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKALINITY FIELD (MG/L AS CaCO3) (00410) -	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00606)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BICARBONATE, FET-FLD AS HCO3) (00440)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	BORON, DISSOLVED (UG/L AS B) (01020)	BROMIDE DISSOLVED (MG/L AS BR) (71870)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CARBONATE, FET-FLD (MG/L AS CO3) (00445)
SEP 08...	1370	--	--	7	200	1670	--	730	--	0	53	--
SEP 25...	1330	--	--	--	--	1620	--	--	--	--	--	--
DEC 02...	--	--	--	3	100	--	--	330	--	<1	82	--
MAR 24...	--	--	--	--	--	--	--	250	--	--	66	--
APR 14...	--	--	.130	--	--	--	--	250	--	--	57	--
MAY 24...	--	--	<.060	4	100	--	--	730	--	--	44	--
JUN 09...	--	--	.090	--	--	--	--	950	--	--	45	--
AUG 04...	--	--	.170	--	--	--	--	370	--	--	59	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222

- PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (45/L) (00340)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR) (01030)	COLI- FORM, FECAL 0.45 UM-HF (COLS./ 100 ML) (31616)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COPPER, DIS- SOLVED (UG/L) AS CU) (01040)	CYANIDE DIS- SOLVED (MG/L) AS CN) (00723)	STREP- TOCOCCI FECAL, (COLS. PER 100 ML) (31679)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	LEAD, DIS- SOLVED (UG/L) AS PB) (01049)
SEP 1981											
08...	--	160	--	--	--	5	--	--	2.1	250	3
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	47	--	--	--	1	--	--	1.1	60	2
MAR 1982											
24...	--	33	--	--	--	--	--	--	1.0	--	--
APR											
14...	--	39	--	--	--	--	--	--	1.1	--	--
MAY											
24...	--	160	--	--	--	--	--	--	.5	40	--
JUN											
09...	--	200	--	--	--	--	--	--	19	--	--
AUG											
04...	--	46	--	--	--	--	--	--	1.1	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222

- PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DTS- SOLVED (UG/L) AS LI) (01130)	MAGNE- SIUM, DTS- SOLVED (MG/L) AS MG) (00925)	MANGA- NESE, DTS- SOLVED (UG/L) AS MN) (01056)	MERCURY DTS- SOLVED (UG/L) AS HG) (71490)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DTS- SOLVED (UG/L) AS MO) (01060)	NITRO- GEN, NITRATE DTS- SOLVED (MG/L) AS NO3) (71851)	NITRO- GEN, NITRITE DTS- SOLVED (MG/L) AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG + ORGANIC DIS- SOLVED (MG/L) AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C) (00691)
SEP, 1981											
08...	100	65	20	.0	.10	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	40	95	50	<.1	.00	--	--	--	--	--	--
MAR, 1982											
24...	--	74	--	--	--	--	--	--	--	--	--
APR											
14...	--	70	--	--	--	--	--	--	--	--	--
MAY											
24...	110	90	30	--	--	6	--	--	--	--	--
JUN											
09...	--	110	--	--	--	--	--	.07	--	--	--
AUG											
04...	--	92	--	--	--	--	--	--	--	--	--

PROCESS DATE 12/01/82
DISTRICT CODE 08

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09406222 - PISCANCE CREEK AT WHITE RIVER, CO.

WATER QUALITY DATA

DATE	CARRON, TOTAL (MG/L AS C) (00690)	PHOS- PHATE, ORTHOPHOS- PHATE, SOLVED (MG/L AS P04) (00660)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	TOX- APHENE, TOTAL (UG/L) (39400)
SEP, 1981											
08....	--	1.1	--	--	--	--	--	--	--	--	--
25....	--	--	--	--	--	--	--	--	--	--	--
DEC											
02....	--	.21	--	--	--	--	--	--	--	--	--
MAR, 1982											
24....	--	--	--	--	--	--	--	--	--	--	--
APR											
14....	--	.18	--	--	--	--	--	--	--	--	--
MAY											
24....	--	.25	--	--	--	--	--	--	--	--	--
JUN											
09....	--	.43	--	--	--	--	--	--	--	--	--
AUG											
04....	--	.25	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PCH, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	PHENOLS (UG/L) (32730)
SEP 1981											
01...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
DEC											
02...	--	--	--	--	--	--	--	--	--	--	--
MAR 1982											
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
14...	--	--	--	--	--	--	--	--	--	--	--
MAY											
24...	--	--	--	--	--	--	--	--	--	--	--
JUN											
09...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306222 - PICEANCE CREEK AT WHITE RIVER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS- SIUM DIS- SOLVED (MG/L AS K) (00935)	SELE- NIUM DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS SH) (70301)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
SEP, 1981	6.9	2	10	810	2440	500	--	10	--	--
08...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
DEC	3.1	<1	17	330	1480	440	--	10	--	--
02...	2.8	--	16	280	1220	410	--	--	--	--
MAR, 1982	2.9	--	14	290	1180	330	--	--	--	--
24...	5.4	--	23	950	2870	570	--	10	--	--
APR	5.6	--	12	1200	3470	640	--	--	--	--
14...	4.9	--	17	400	1580	470	--	--	--	--
MAY	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
JUN	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
AUG	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	ALKALINITY FIELD (MG/L) AS CACO3 (00410)	ALUMINUM, DTS- SOLVED (UG/L) AS AL (01106)	NITROGEN, AMMONIA DTS- SOLVED (MG/L) AS N (00608)	ARSENIC DTS- SOLVED (UG/L) AS AS (01000)	BARIUM, DTS- SOLVED (UG/L) AS HA (01005)	BICARBONATE, FET-FLD (MG/L) AS HCO3 (00440)	OXYGEN DEMAND, HIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BORON, DTS- SOLVED (UG/L) AS B (01020)	BROMIDE DTS- SOLVED (MG/L) AS BR (71870)	CADMIUM DTS- SOLVED (UG/L) AS CD (01025)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	CARBONATE FET-FLD (MG/L) AS CO3 (00445)
OCT 1981	--	--	<.060	3	--	--	.7	740	.10	--	33	--
21...	--	--	--	--	--	--	--	460	--	--	35	--
FEB 1982	--	--	.250	3	--	--	--	90	<.00	--	11	--
17...	--	--	--	--	--	--	--	870	--	--	30	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
SEP	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--

PROCESS DATE 12/01/82
DISTRICT CODE 08

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

WATER QUALITY DATA

[illegible]

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
 09306255 - YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 12/01/82
 DISTRICT CODE 08

WATER QUALITY DATA

DATE	LITHIUM DIS- SOLVED (MG/L AS LI) (01130)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MANGA- NESE, DIS- SOLVED (MG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	OIL AND GREASE (MG/L) (00550)	CARBON, INORG ORGANIC DIS- SOLVED (MG/L AS C) (00682)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)
OCT , 1981	--	120	--	0	--	--	--	--	--	--	--
21...	--	110	--	0	--	--	--	--	--	--	--
FEB , 1982	--	11	--	0	--	--	--	--	--	--	--
17...	--	97	--	0	--	--	--	--	--	--	--
22...	--		--		--	--	--	--	--	--	--
SEP	--		--		--	--	--	--	--	--	--
22...	--		--		--	--	--	--	--	--	--

PROCESS DATE 12/01/H2
DISTRICT CODE 08

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
- YELLOW CREEK NEAR WHITE RIVER, CO.
09306255

WATER QUALITY DATA

[illegible]

PROCESS DATE 12/01/82
DISTRICT CODE 08

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255
- YELLOW CREEK NEAR WHITE RIVER, CO.

WATER QUALITY DATA

[illegible]

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY
09306255

- YELLOW CREEK NEAR WHITE RIVER, CO.

PROCESS DATE 12/01/82
DISTRICT CODE 08

WATER QUALITY DATA

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SULFIDE DIS- SOLVED (MG/L AS S) (00746)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
OCT , 1981											
21...	4.0	1	<1.9	770	--	--	560	--	--	1.0	<32
FEB , 1982											
17...	4.6	--	15	550	1990	--	520	--	--	--	--
22...	5.0	1	6.6	89	327	--	75	--	--	430	7.8
SEP											
22...	3.2	--	9.2	670	2150	--	490	--	--	--	--

TABLE 2.2.2.1-3

Remark Codes for USGS
Water Quality Data

<u>CHARACTER</u>	<u>REMARK</u>
E	Estimated Value
<	Actual value is known to be less than value shown
>	Actual value is known to be greater than value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptable range (non-ideal colony count)

TABLE 2.2.2.1-4

Combined Water Years 1980 - 1981

Variable	No. of Samples	Mean	Standard Deviation	Station 007				Coefficient of Variation
				Minimum Value	Maximum Value	Std. Error of Mean	Sum	
HCO ₃	33	511.212	63.824	330.000	630.000	11.110	16870.000	12.485
Ca	17	70.765	4.221	65.000	79.000	1.024	1203.000	5.965
Mg	17	48.471	3.693	43.000	55.000	0.896	824.000	7.619
Na	17	132.353	13.477	110.000	160.000	3.269	2250.000	10.182
SAR	17	3.100	0.337	2.700	3.900	0.082	52.700	10.880
Station 061								
HCO ₃	33	565.758	86.531	320.000	710.000	15.063	18670.000	15.295
Ca	17	69.529	5.444	63.000	81.000	1.320	1182.000	7.830
Mg	17	62.118	6.936	52.000	74.000	1.682	1056.000	11.166
Na	17	180.588	25.853	120.000	230.000	6.270	3070.000	14.316
SAR	17	3.982	0.525	2.900	5.200	0.127	67.700	13.175

TIME SERIES OF HCO₃ AT USGS STATIONS 007 AND 061

WATER YEAR 1980

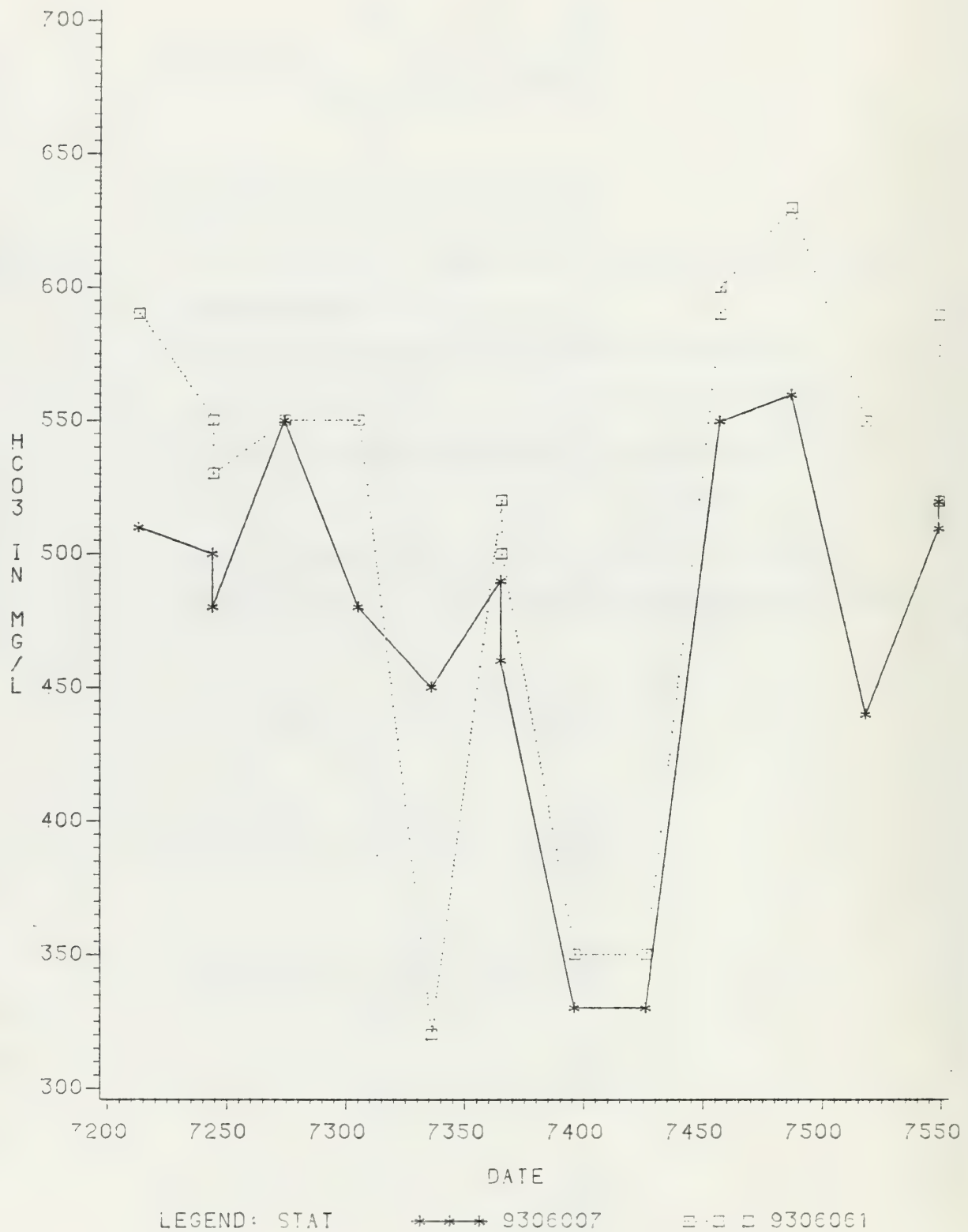


FIGURE 2.2.2.1-1

TIME SERIES OF HCO_3 AT STATIONS 007 AND 061

WATER YEAR 1981

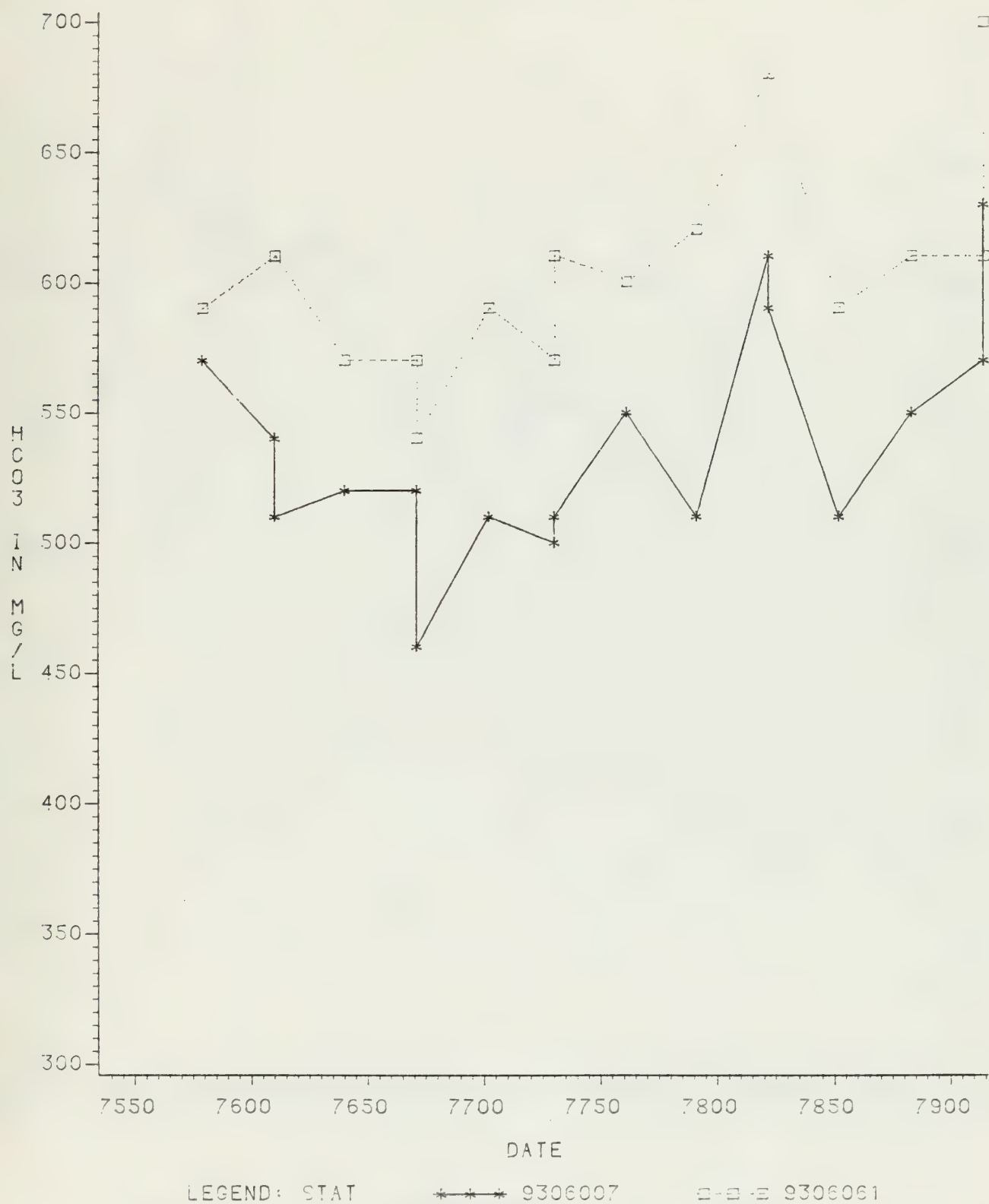


FIGURE 2.2.2.1-2

TIME SERIES OF CA AT STATIONS 007 AND 061

WATER YEAR 1981

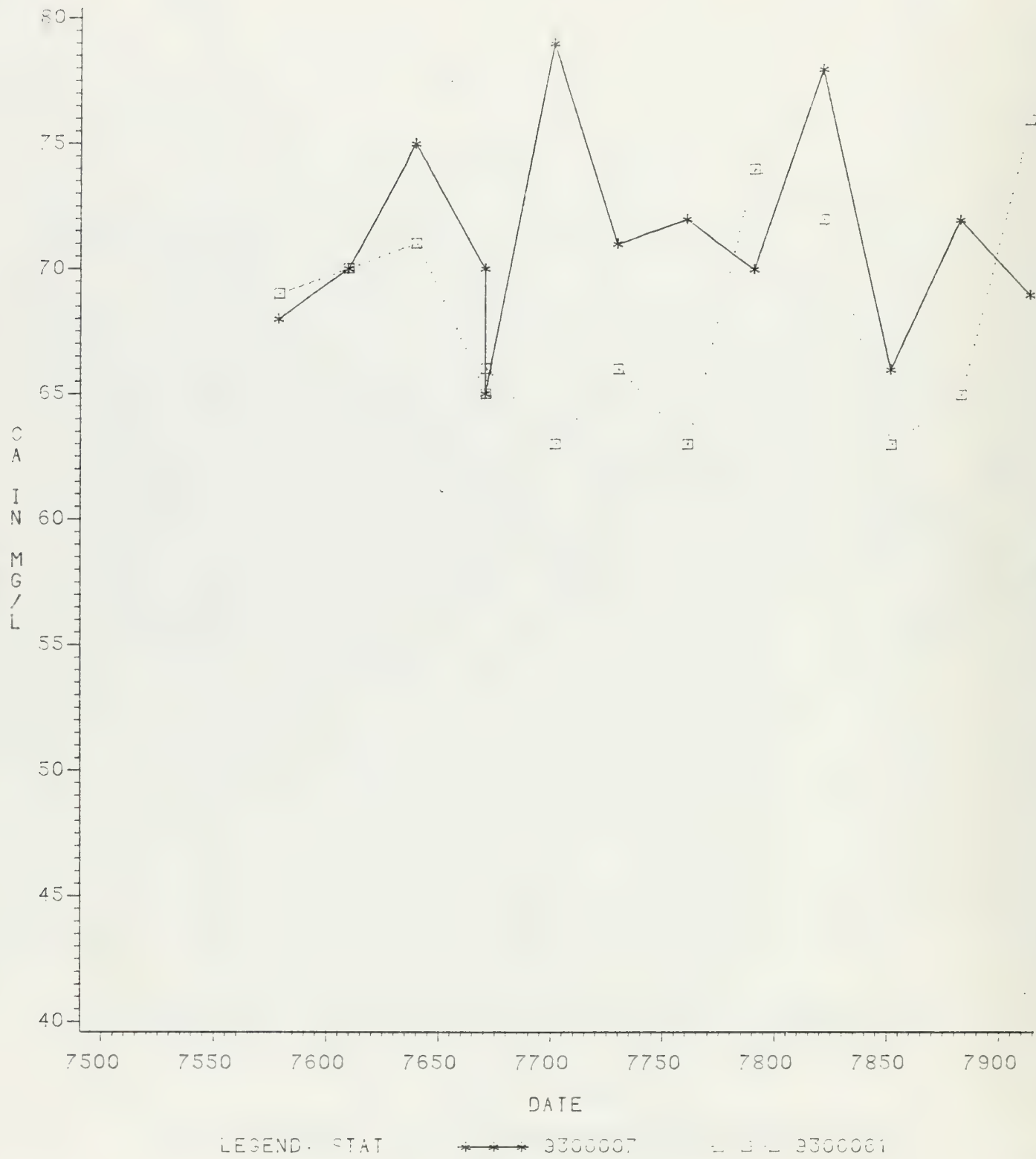


FIGURE 2.2.2.1-3

TIME SERIES OF CA AT STATIONS 007 AND 061

WATER YEAR 1982

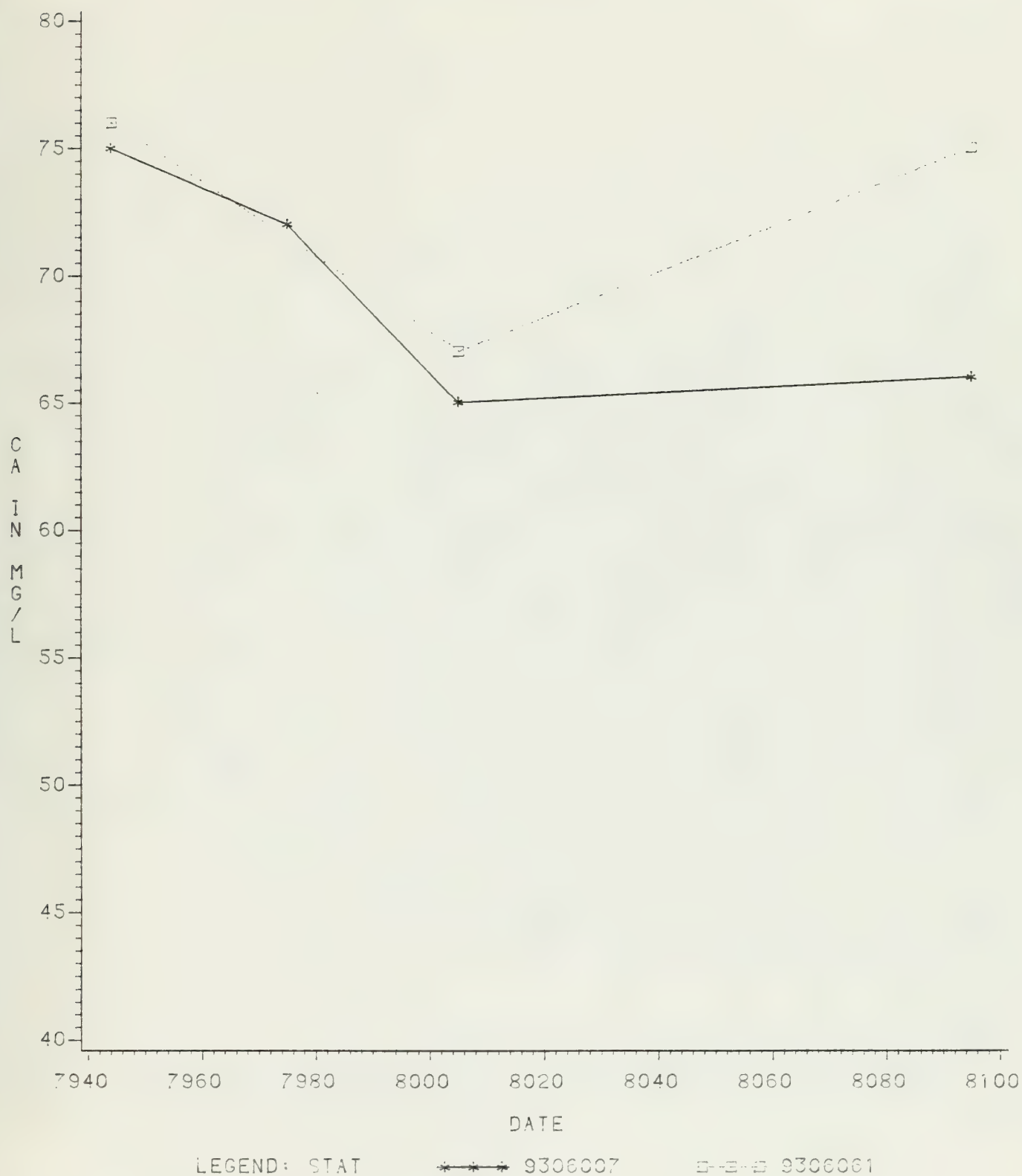
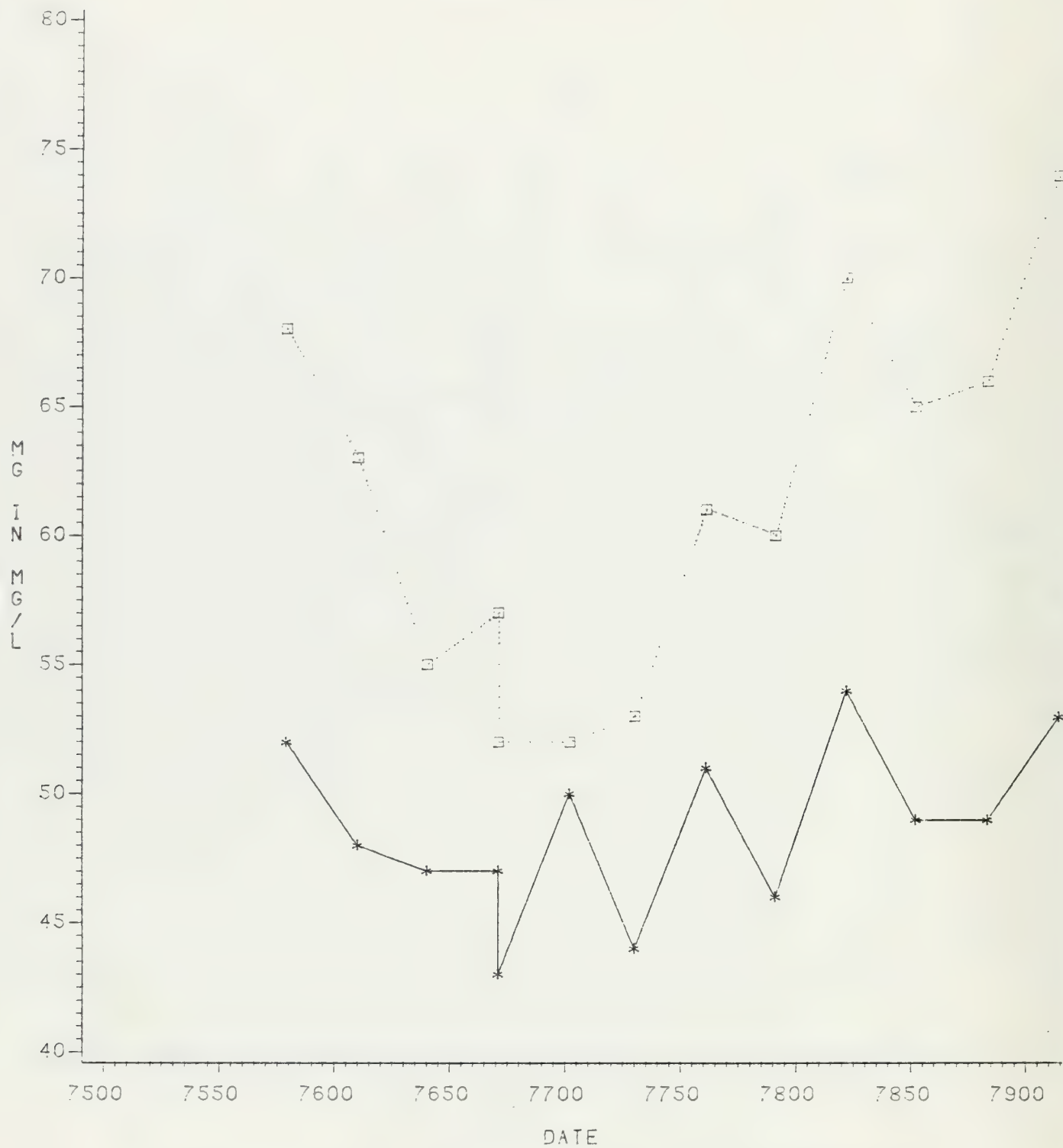


FIGURE 2.2.2.1-4

TIME SERIES OF MG AT STATIONS 007 AND 061

WATER YEAR 1981



LEGEND: STAT

--* 9306007

-.-.- 9306061

FIGURE 2.2.2.1-5

TIME SERIES OF MG AT STATIONS 007 AND 061

WATER YEAR 1982

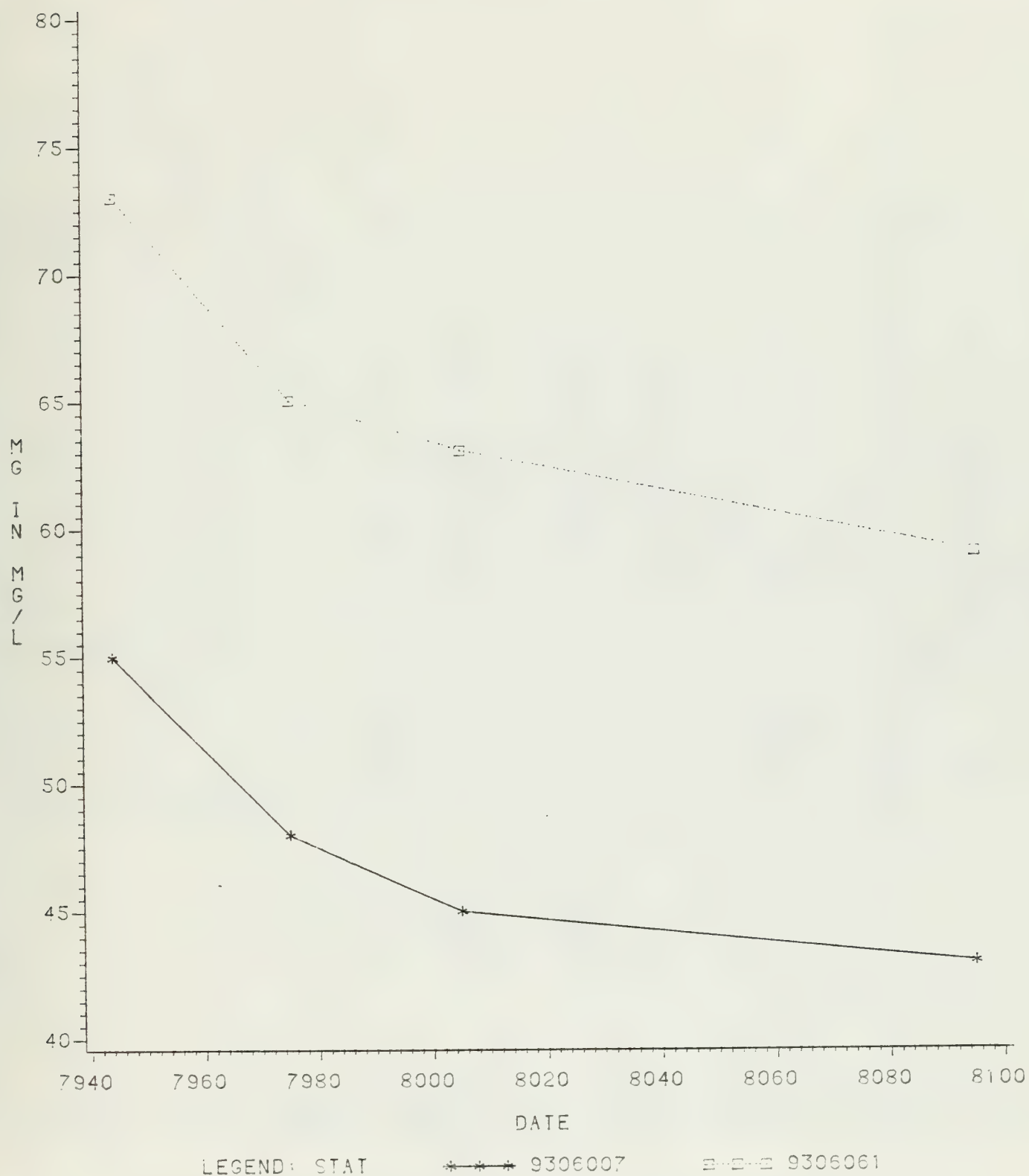
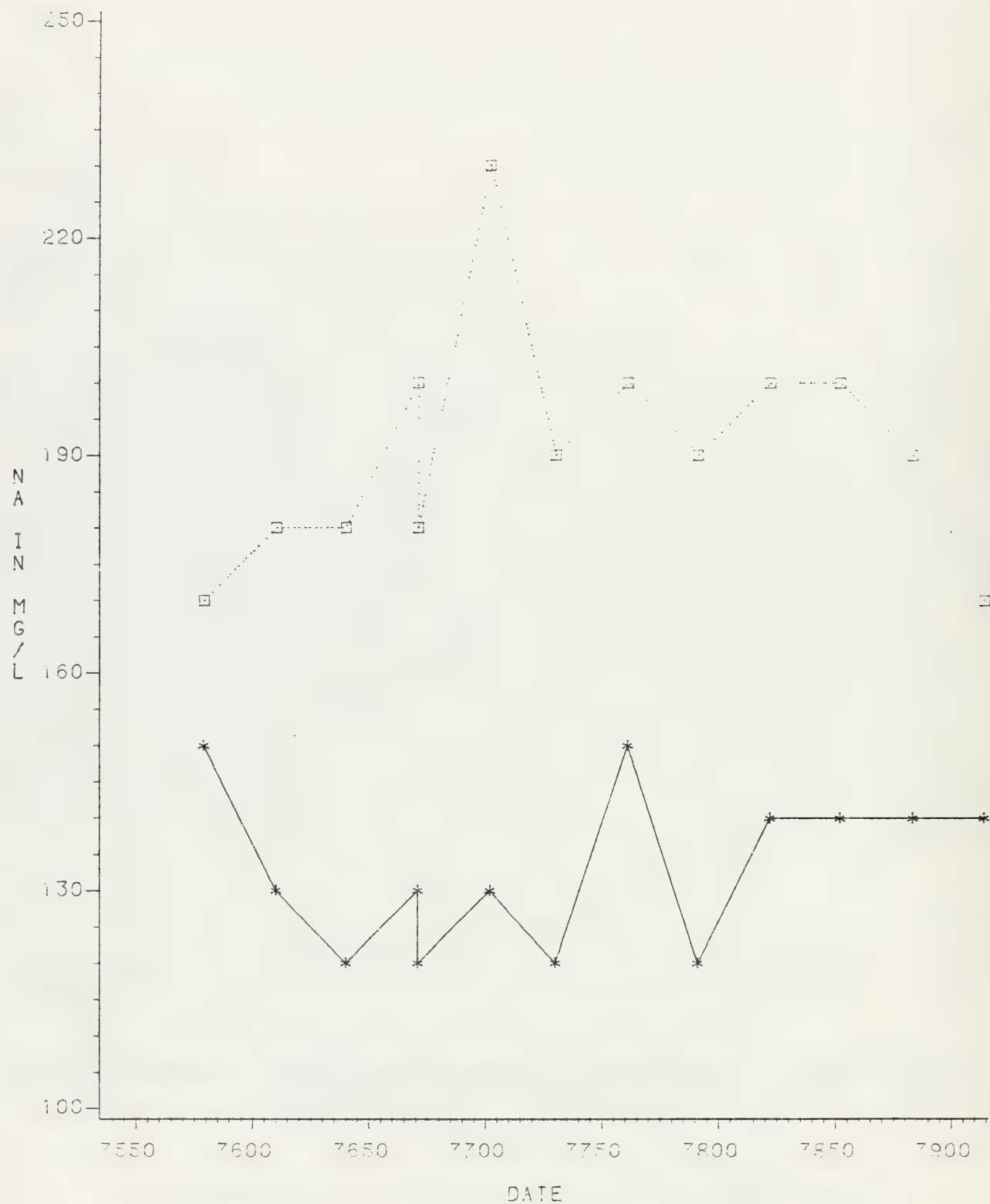


FIGURE 2.2.2.1-6

TIME SERIES OF NA AT STATIONS 007 AND 061

WATER YEAR 1981



LEGEND: STAT

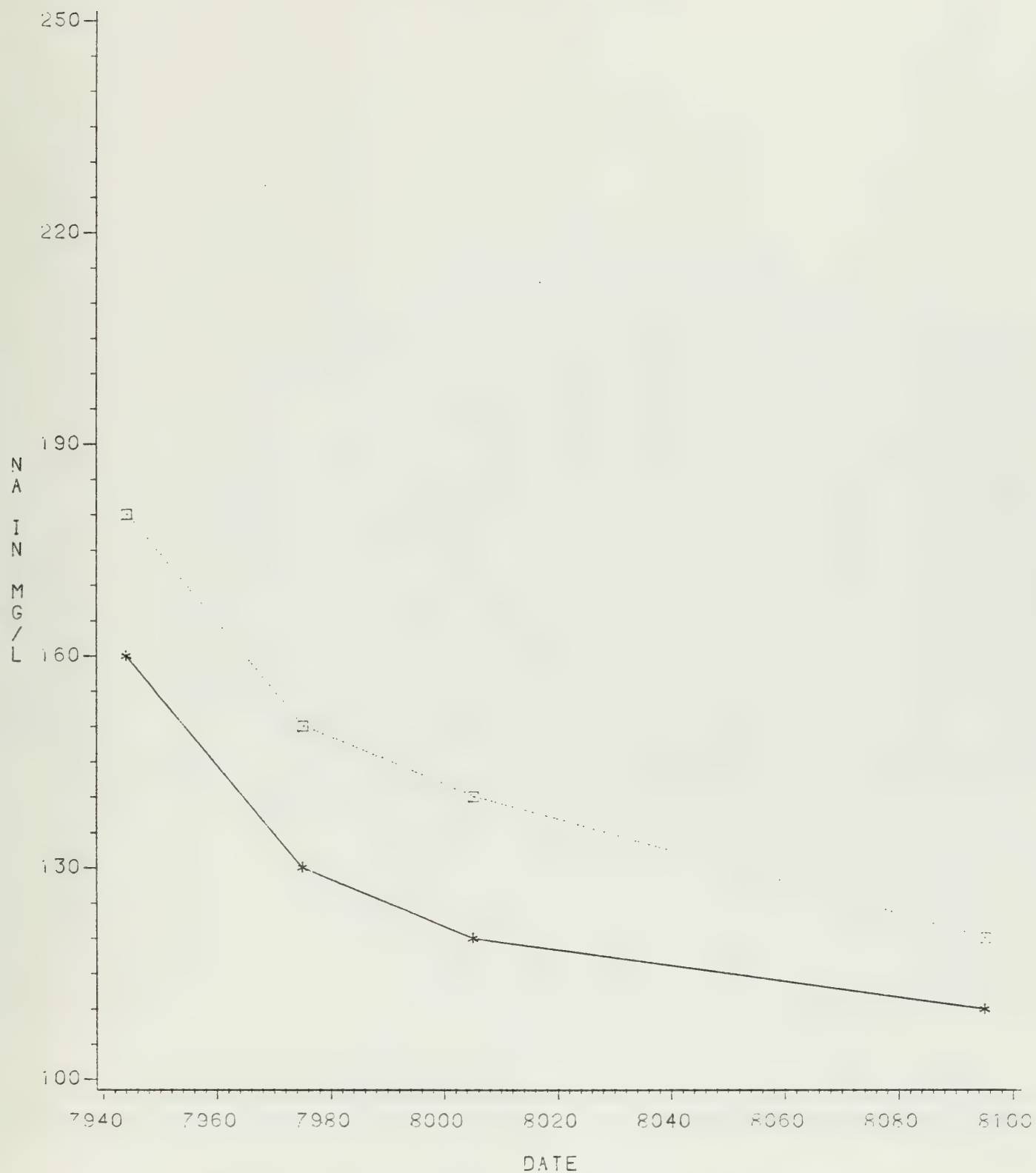
--* 9306007

-.-.- 9306061

FIGURE 2.2.2.1-7

TIME SERIES OF NA AT STATIONS 007 AND 061

WATER YEAR 1982



LEGEND: STAT

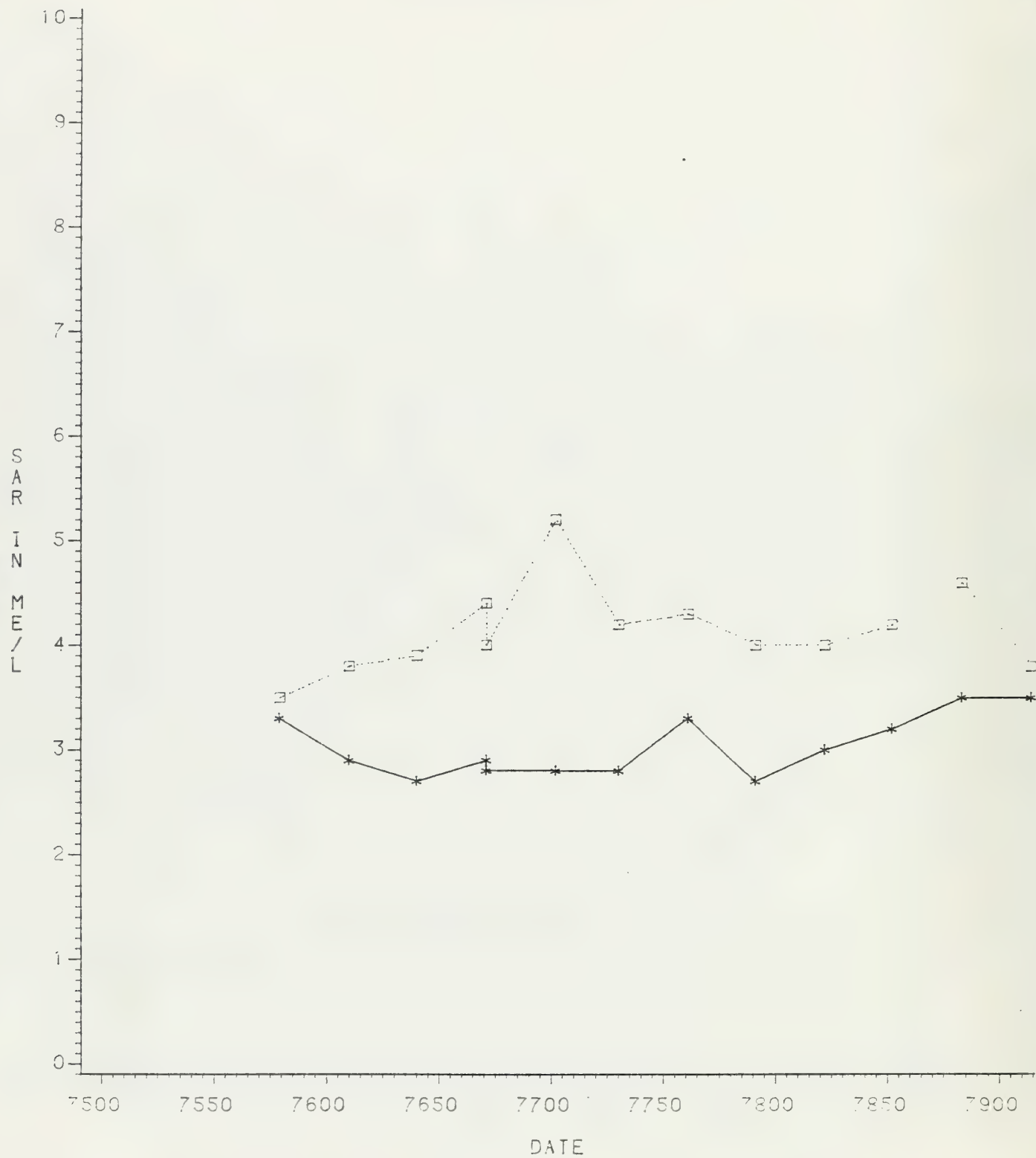
--* 9306007

□-□-□ 9306061

FIGURE 2.2.2.1-8

TIME SERIES OF SAR AT STATIONS 007 AND 061

WATER YEAR 1981



LEGEND: STAT

--* 9306007

- - - 9306061

FIGURE 2.2.2.1-9

TIME SERIES OF SAR AT STATIONS 007 AND 061

WATER YEAR 1982

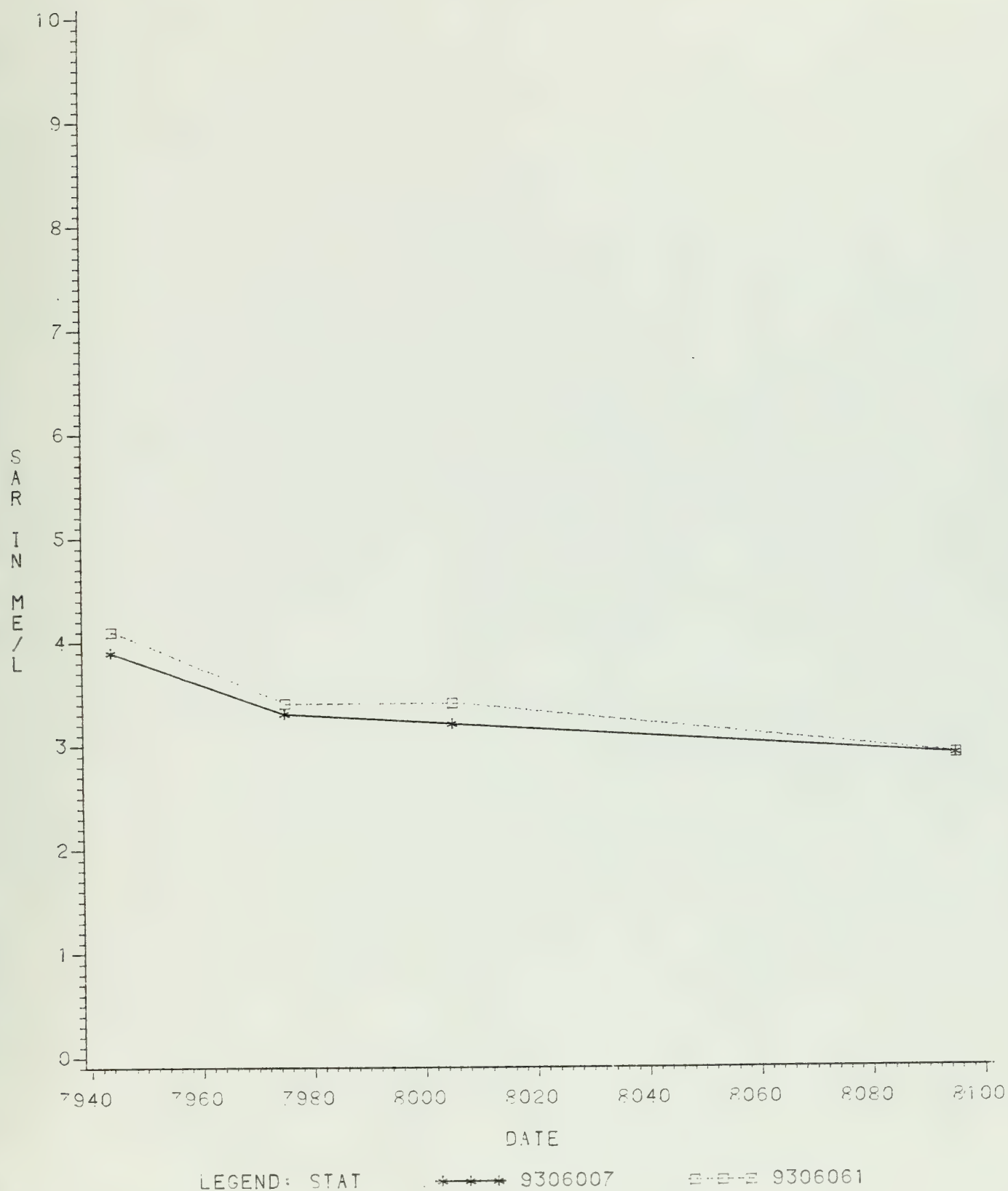


FIGURE 2.2.2.1-10

2.2.2.2 Spring and Seeps

Locations of Springs and Seeps on and around the C-b Tract are shown in Figure 2.2.1.2-1 of Section 2.2.1.2.

Water quality samples were not taken during this report period (June 1982 through December 1982).

During this reporting period (June - December 1982) water samples of pH or conductivity remained between the 20% range for these baseline values. If a sample should have been taken, parameters were to be analyzed as followed by the DMP quarterly schedule, Table 2.2.2.2-1.

TABLE 2.2.2.2-1

Parameters Analyzed During IMP - Springs

Ag	Mo	Ca	TDS
AS	Cl	Mg	SO ₄
Ba	Li	Fluoride	CO ₃
Cd	Al	B	HCO ₃
Cr	Sr	Ni	NO ₃
Cu	Se	Oil & Grease	Alkalinity
Fe	Zn	Temperature	Hardness
Hg	pH	Kjeldahl-N	Phenols
Mn	Na	COD	Ammonia
Pb	K	BOD	DOC Fraction

Within this section are tables of statistics combining five water years (October 1977 - September 1982) of spring water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples taken during the 5 year period. Table 2.2.2.2-2 is a cross reference of these statistics for each spring with corresponding page number. Dates which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of springs sampled since Baseline (November 1974) through December 1982 appear within the Assurance section. Refer to the list of tables within the Assurance section for finding springs data tables; data were included in that section since these data represent the first iteration in a screening process to detect errors and outliers.

Time series plots of specific field and lab analyses from water samples taken at each spring are displayed in this section. Temperature, pH, specific conductance, DOC, sodium, fluoride, TDS, boron, molybdenum, sulfate, ammonia, and arsenic were analyzed for long term trends in the 1981 C.B. Annual Report. The plots presented here are a pictorial view of the data used to arrive at the long term results. See Table 2.2.2.2-3 for page number of parameters plotted for each spring.

TABLE 2.2.2.2-2

Cross Reference for Computer Codes and Springs
Five Year Statistical Summary

<u>Computer Code</u>	<u>Location</u>	<u>Page No.</u>
WS01	CB S-1	I-273
WS02	CB S-2	I-275
WS03	CB S-3	I-277
WS04	CB S-4	I-279
WS06	CB S-6	I-281
WS07	CB S-7	I-283
WS08	CB S-8	I-285
WS09	CB S-9	I-287
WS10	CB S-10	I-289
WS11	CB S-10A (Seep)	I-291
WS12	CB S-102	I-293
WS36	CB S-101	I-295
WS66	CB S-6A	I-297

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 113

LOC=4501

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	13	436.92	49.06	400.00	580.00
AL	AL	13	0.13	0.09	0.00	0.40
AMS	AMS	13	0.02	0.00	0.02	0.02
FCULIF	FCULIF	7	4.71	8.98	1.00	25.00
BA	BA	13	0.50	0.00	0.50	0.50
MCUJ	MCUJ	13	405.38	61.32	340.00	580.00
BUD	BUD	13	19.14	41.18	0.10	150.00
H	H	13	0.11	0.05	0.04	0.20
PM	PM	0	0.57	0.24	0.20	0.85
TCULIF	TCULIF	0	33.83	58.08	1.00	150.00
CU	CU	13	0.02	0.01	0.01	0.02
CA	CA	13	43.69	23.30	40.00	130.00
COJ	COJ	13	31.00	30.78	1.00	90.00
CL	CL	13	13.65	11.31	0.40	40.00
CM	CM	13	0.02	0.00	0.02	0.02
CUD	CUD	13	11.94	15.63	1.00	50.00
CU	CU	13	0.02	0.00	0.02	0.02
JU	JU	8	7.17	1.97	4.40	11.00
UUC	UUC	5	9.80	13.87	1.70	34.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	13	0.28	0.07	0.20	0.40
MAHU	MAHU	13	528.48	74.48	380.00	680.00
FE	FE	13	0.15	0.24	0.02	0.70
KJN	KJN	12	0.53	0.57	0.10	2.00
PD	PD	13	0.03	0.02	0.02	0.08
LI	LI	13	0.04	0.02	0.02	0.05
MG	MG	13	75.46	10.44	60.00	100.00
MN	MN	13	0.03	0.05	0.02	0.20
HG	HG	12	0.01	0.01	0.01	0.02
MULY	MULY	13	0.02	0.01	0.01	0.05
NI	NI	13	0.02	0.00	0.02	0.03
NOJ	NOJ	14	349.77	1280.93	0.10	4800.00
ULGR	ULGR	13	8.00	7.11	1.00	20.00
SCUJ	SCUJ	2	8.00	5.66	4.00	12.00
PH	PH	8	1.92	0.48	1.50	9.20
K	K	13	3.73	2.83	1.40	3.20
RA	RA	0	16.80	17.51	9.10	9.10
BTM	BTM	5	0.55	0.64	0.00	40.00
HK	HK	2	0.02	0.01	0.01	1.00
SE	SE	11	0.02	0.02	0.01	0.03
AG	AG	13	0.02	0.02	0.01	0.10
NA	NA	13	127.92	9.37	110.00	140.00
IDS	IDS	11	798.20	397.32	0.10	1100.00
SULS	SULS	4	373.75	22.87	945.00	1000.00
SPC	SPC	9	1206.11	262.91	760.00	1480.00
SK	SK	12	5.15	1.15	3.00	7.00
SU4	SU4	13	348.46	50.47	270.00	440.00
TEMP	TEMP	7	14.90	5.65	6.50	21.00
ZN	ZN	13	0.02	0.00	0.01	0.03
TOC	TOC	3	20.67	14.57	9.00	37.00
PHEN	PHEN	12	0.06	0.20	0.00	0.69
CYAN	CYAN	0	0.12	0.13	0.00	0.40
NHJ	NHJ	12	0.12	0.13	0.00	0.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=MS01

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIJ2	SIJ2	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
IUNB	IUNB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
RZEB	RZEB	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 115

LUC=MS02

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	14	400.71	20.56	340.00	430.00
AL	AL	14	0.16	0.12	0.10	0.50
ARS	ARS	14	0.02	0.00	0.02	0.02
FCULIF	FCULIF	14	45.88	120.49	1.00	344.00
BA	BA	14	0.52	0.04	0.50	0.80
HC03	HC03	14	349.29	34.96	280.00	420.00
BUD	BUD	14	28.96	52.63	0.40	150.00
B	B	14	0.18	0.24	0.04	1.00
BR	BR	7	0.54	0.30	0.10	1.00
ICULIF	ICULIF	6	1403.17	3235.50	1.00	8000.00
CD	CD	14	0.01	0.01	0.01	0.02
CA	CA	14	85.00	17.70	53.00	110.00
C03	C03	14	51.64	27.79	10.00	110.00
CL	CL	14	10.80	12.45	2.00	53.00
CR	CR	14	0.02	0.00	0.02	0.02
CUD	CUD	14	12.72	18.27	1.00	50.00
CU	CU	14	0.03	0.02	0.02	0.10
UU	UU	9	7.22	1.86	3.40	10.30
DUC	DUC	3	11.33	11.68	1.00	24.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	14	0.27	0.07	0.20	0.40
HARD	HARD	14	494.29	70.35	370.00	600.00
FE	FE	14	0.16	0.23	0.02	0.50
KJN	KJN	12	0.67	0.91	0.10	3.00
PR	PR	14	0.02	0.01	0.02	0.05
LI	LI	14	0.04	0.01	0.02	0.05
MG	MG	14	70.71	9.29	57.00	89.00
AN	AN	14	0.03	0.02	0.02	0.10
HG	HG	14	0.01	0.01	0.00	0.02
MULY	MULY	14	0.04	0.08	0.01	0.30
NI	NI	14	0.02	0.00	0.02	0.03
NO3	NO3	15	323.48	1238.40	0.10	4800.00
ULGR	ULGR	14	6.93	8.10	1.00	31.00
S203	S203	2	6.00	2.83	4.00	8.00
PH	PH	9	1.44	0.97	0.70	8.80
K	K	14	3.01	1.83	1.00	4.20
TA	TA	7	5.14	4.45	1.00	6.00
BFH	BFH	1	0.30	0.01	0.30	0.30
SE	SE	12	0.01	0.01	0.01	0.02
AG	AG	15	0.03	0.05	0.01	0.20
NA	NA	14	112.86	9.94	100.00	130.00
TUS	TUS	12	697.52	327.35	0.10	880.00
SULS	SULS	4	887.50	165.20	650.00	1000.00
SPC	SPC	9	1160.89	95.58	1020.00	1300.00
SR	SR	13	4.93	1.29	2.70	7.00
S04	S04	14	298.57	48.33	210.00	360.00
TEMP	TEMP	8	13.67	4.23	6.30	20.00
ZN	ZN	14	0.03	0.03	0.01	0.10
TUC	TUC	4	10.50	12.07	1.00	27.00
PHEN	PHEN	14	0.01	0.01	0.00	0.04
CTAN	CTAN	0	0.19	0.25	0.06	0.75
NH3	NH3	14	0.19	0.25	0.06	0.75

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 116

LUC=MS02

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIU2	SIU2	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
FM	FM	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SH	SH	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
DE	DE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	3	0.10	0.00	0.10	0.10
TURH	TURH	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
RZ2B	RZ2B	0	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=MSU3

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	16	431.44	28.35	400.00	513.00
AL	AL	16	0.14	0.11	0.03	0.50
AMS	AMS	16	0.02	0.00	0.00	0.02
FCULIF	FCULIF	10	30.10	83.93	1.00	268.00
RA	RA	16	0.50	0.00	0.50	0.50
MCU3	MCU3	16	410.14	46.34	300.00	513.00
HUU	HUU	16	25.02	38.54	0.60	150.00
H	H	16	0.09	0.05	0.04	0.20
DR	DR	9	0.56	0.21	0.30	1.00
ICULIF	ICULIF	6	69.83	113.90	1.00	292.00
CU	CU	16	0.02	0.01	0.01	0.02
CA	CA	16	21.38	21.48	43.00	120.00
CU3	CU3	16	21.61	27.61	1.00	100.00
CL	CL	16	13.32	12.34	0.00	47.00
CK	CK	16	0.02	0.00	0.02	0.04
CUU	CUU	16	8.81	14.13	1.00	50.00
CU	CU	16	0.03	0.03	0.02	0.10
DU	DU	10	7.41	1.84	3.10	9.50
DOC	DOC	5	13.80	14.10	1.00	38.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	16	0.28	0.08	0.20	0.40
HARD	HARD	16	543.75	90.62	370.00	700.00
FE	FE	16	0.20	0.24	0.02	0.50
KJN	KJN	13	0.42	1.32	0.07	4.10
PD	PD	16	0.04	0.05	0.02	0.20
LI	LI	16	0.03	0.02	0.01	0.05
MG	MG	16	77.25	13.66	55.00	98.00
MM	MM	16	0.03	0.03	0.02	0.10
HG	HG	16	0.01	0.01	0.00	0.02
MOLY	MOLY	16	0.03	0.05	0.01	0.20
NI	NI	16	0.03	0.04	0.02	0.20
NU3	NU3	17	286.88	1163.02	0.10	4800.00
OLGH	OLGH	16	7.69	6.24	1.00	26.00
SZU3	SZU3	2	8.50	6.36	4.00	13.00
PH	PH	10			7.30	8.40
K	K	16	2.01	0.65	0.60	3.20
KA	KA	9	3.06	2.20	0.20	6.10
BIF	BIF	4	14.50	5.92	9.00	21.00
MM	MM	1	0.10	*	0.10	0.10
SE	SE	11	0.01	0.01	0.01	0.02
AG	AG	18	0.03	0.03	0.01	0.10
MA	MA	16	127.00	12.65	110.00	150.00
TUS	TUS	14	616.46	477.97	0.10	1000.00
SULS	SULS	7	1514.29	1450.29	890.00	4800.00
SPC	SPC	9	1304.44	119.70	1050.00	1440.00
SM	SM	15	4.91	1.04	3.00	7.10
SU4	SU4	16	403.63	145.90	218.00	890.00
TEMP	TEMP	9	14.44	4.12	7.50	19.00
ZN	ZN	16	0.03	0.03	0.01	0.10
TUC	TUC	6	16.17	9.89	4.00	28.00
PHEN	PHEN	15	0.00	0.01	0.00	0.02
CYAN	CYAN	0	*	*	*	*
NH3	NH3	15	0.14	0.16	0.06	0.60

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
LOC=MS03

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SI05	SI05	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SI	SI	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	0.10	0.00	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
KZCB	KZCB	U

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 119
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LOC=#504

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	14	397.14	27.01	320.00	420.00
AL	AL	14	0.11	0.06	0.01	0.30
AMS	AMS	14	0.03	0.05	0.02	0.20
FCOLIF	FCOLIF	8	33.00	86.89	1.00	248.00
BA	BA	14	0.50	0.04	0.50	0.60
MCUJ	MCUJ	14	359.29	28.14	300.00	400.00
BDJ	BDJ	14	35.32	52.59	0.50	150.00
B	B	14	0.18	0.14	0.09	0.59
DK	DK	7	0.52	0.22	0.50	0.84
TCOLIF	TCOLIF	6	2555.50	6097.62	1.00	15000.00
CD	CD	14	0.01	0.01	0.01	0.02
CA	CA	14	86.50	21.50	47.00	120.00
CUJ	CUJ	14	37.71	20.50	12.00	90.00
CL	CL	14	11.41	11.18	3.50	43.00
CH	CH	14	0.02	0.00	0.02	0.03
CUD	CUD	14	11.86	17.06	1.00	50.00
CJ	CJ	14	0.03	0.02	0.02	0.10
DU	DU	9	7.14	2.27	3.00	11.40
DUC	DUC	3	7.67	6.51	1.00	14.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	14	0.20	0.08	0.19	0.40
MAND	MAND	14	499.29	99.80	330.00	650.00
FE	FE	14	0.16	0.23	0.02	0.50
KJN	KJN	12	0.59	0.71	0.07	2.00
PH	PH	14	0.02	0.01	0.02	0.05
LI	LI	14	0.04	0.01	0.02	0.05
MG	MG	14	70.29	13.46	50.00	98.00
MN	MN	14	0.03	0.03	0.02	0.10
HG	HG	13	0.01	0.01	0.00	0.02
MULY	MULY	14	0.02	0.02	0.01	0.10
NI	NI	14	0.02	0.00	0.02	0.03
NOJ	NOJ	13	324.26	1238.19	0.10	4800.00
ULGH	ULGH	14	5.79	7.30	1.00	28.00
SZUJ	SZUJ	3	6.33	6.81	1.00	14.00
PH	PH	9			7.50	8.60
K	K	14	1.59	1.06	0.80	3.80
HA	HA	4	1.95	1.22	0.80	3.00
HTH	HTH	3	6.20	2.49	4.00	8.00
HK	HK	1	0.20		0.20	0.20
SE	SE	12	0.01	0.01	0.01	0.02
AG	AG	16	0.02	0.02	0.01	0.10
NA	NA	14	113.50	11.60	90.00	130.00
TUS	TUS	12	744.18	361.46	0.10	1200.00
SOLS	SOLS	4	967.50	155.21	880.00	1200.00
SPC	SPC	9	1183.33	118.64	1010.00	1390.00
SK	SK	13	4.88	1.23	2.70	7.00
SU4	SU4	14	315.00	80.84	150.00	470.00
TEMP	TEMP	8	13.52	3.81	6.00	18.50
ZN	ZN	14	0.03	0.02	0.01	0.10
TUC	TUC	4	10.00	6.38	1.00	16.00
PHEN	PHEN	14	0.01	0.01	0.00	0.02
CYAN	CYAN	0				
NHJ	NHJ	14	0.16	0.19	0.06	0.60

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=#504

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
Th	Th	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
HB	HB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	0.10	0.00	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
MZ28	MZ28	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 121

LUC=4506

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	16	498.38	178.78	1.00	930.00
AL	AL	15	0.12	0.06	0.10	0.30
AMS	AMS	15	0.02	0.00	0.02	0.02
FCULIF	FCULIF	6	17.38	39.88	1.00	115.00
BA	BA	15	0.60	0.39	0.50	2.00
MC03	MC03	15	506.87	128.35	380.00	900.00
BUD	BUD	15	33.66	50.76	0.30	150.00
B	B	15	0.11	0.05	0.04	0.23
BM	BM	7	0.59	0.24	0.10	0.80
TCULIF	TCULIF	6	98.17	152.99	1.00	390.00
CD	CD	15	0.02	0.01	0.01	0.02
CA	CA	15	89.33	23.06	37.00	110.00
COJ	COJ	15	24.87	20.22	1.00	60.00
CL	CL	15	16.57	11.91	6.50	57.00
CK	CK	15	0.02	0.00	0.02	0.02
CUD	CUD	15	12.34	17.43	0.10	50.00
CU	CU	15	0.03	0.02	0.02	0.10
DU	DU	10	6.34	1.65	4.00	9.60
DOC	DOC	4	8.00	6.48	1.00	14.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	15	0.49	0.11	0.23	0.70
HARD	HARD	15	573.33	86.49	400.00	700.00
FE	FE	15	0.18	0.23	0.02	0.50
KJN	KJN	13	0.61	0.89	0.07	3.00
PH	PH	15	0.03	0.02	0.02	0.10
LI	LI	15	0.04	0.02	0.02	0.05
MG	MG	15	85.53	9.84	62.00	94.00
MN	MN	15	0.03	0.02	0.02	0.10
MG	MG	15	0.01	0.01	0.00	0.02
MULY	MULY	15	0.04	0.07	0.01	0.30
NI	NI	15	0.02	0.00	0.02	0.02
NUJ	NUJ	16	303.58	1199.06	0.10	4800.00
ULGH	ULGH	15	8.60	12.41	1.00	40.00
S20J	S20J	3	4.67	3.51	1.00	8.00
PH	PH	10	2.53	0.89	0.50	8.10
K	K	15	3.76	3.84	0.30	4.60
MA	MA	7	9.00	3.54	4.00	12.00
HTH	HTH	5	0.20	0.01	0.01	0.20
HK	HK	1	0.01	0.01	0.01	0.02
SE	SE	12	0.01	0.01	0.01	0.02
AG	AG	17	0.02	0.01	0.01	0.06
NA	NA	15	134.20	12.55	110.00	150.00
FUS	FUS	13	773.87	443.89	0.10	1100.00
SOLS	SOLS	5	1055.20	61.93	976.00	1100.00
SPC	SPC	10	1368.10	113.16	1215.00	1558.00
SH	SH	14	6.06	1.23	3.80	8.40
SU4	SU4	15	355.80	34.19	280.00	420.00
TEMP	TEMP	9	13.32	3.47	8.00	19.00
ZN	ZN	15	0.03	0.02	0.02	0.10
TUC	TUC	4	10.75	7.23	4.00	17.00
PHEN	PHEN	14	0.00	0.00	0.00	0.01
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NH3	NH3	14	0.00	0.00	0.00	0.20

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 122

LUC#506

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
J	J	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
IM	IM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
M7	M7	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
RE	RE	U	.	.	.	.
UM	UM	U	.	.	.	.
CM	CM	U	.	.	.	.
PA	PA	U	.	.	.	.
YA	YA	U	.	.	.	.
SCN	SCN	3	0.10	0.00	0.10	0.10
TURH	TURH	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
M22B	M22B	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 1*10 THURSDAY, JANUARY 13, 1983 123

LOG=ms07

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	16	486.25	27.54	440.00	570.00
AL	AL	16	0.10	0.01	0.04	0.10
AMS	AMS	16	0.02	0.00	0.02	0.02
FCULIF	FCULIF	9	4.89	11.67	1.00	36.00
BA	BA	16	0.59	0.38	0.50	2.00
MCU3	MCU3	16	408.14	46.85	350.00	570.00
BUD	BUD	16	36.54	55.75	0.30	150.00
D	D	16	0.13	0.09	0.04	0.40
DM	DM	8	0.58	0.21	0.30	0.90
TCULIF	TCULIF	6	38.00	71.54	1.00	180.00
CD	CD	16	0.03	0.05	0.01	0.20
CA	CA	16	92.19	22.99	42.00	120.00
CU3	CU3	16	18.88	27.78	1.00	90.00
CL	CL	16	15.47	9.93	6.00	48.00
CK	CK	16	0.02	0.00	0.02	0.02
CUD	CUD	16	11.86	16.07	1.00	50.00
CU	CU	16	0.02	0.02	0.02	0.10
UU	UU	11	6.69	1.90	2.80	9.20
DUC	DUC	7	16.24	21.90	1.00	48.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	16	0.49	0.10	0.50	0.80
HARD	HARD	16	586.25	79.57	410.00	690.00
FE	FE	16	0.17	0.23	0.02	0.50
KJN	KJN	14	0.63	0.92	0.07	3.00
PD	PD	16	0.04	0.05	0.02	0.20
LI	LI	16	0.04	0.02	0.02	0.05
MG	MG	16	83.06	11.05	61.00	100.00
MN	MN	16	0.03	0.02	0.02	0.10
MG	MG	16	0.01	0.01	0.00	0.02
MULY	MULY	16	0.02	0.01	0.01	0.07
NI	NI	16	0.02	0.00	0.02	0.02
NO3	NO3	16	535.83	1551.32	0.10	4800.00
ULGR	ULGR	16	6.63	10.69	1.00	45.00
SCU3	SCU3	2	6.50	4.95	3.00	10.00
PH	PH	12			7.00	8.40
K	K	16	2.22	0.91	1.50	5.00
HA	HA	6	5.67	5.32	0.30	12.70
BTM	BTM	4	8.75	2.87	7.00	13.00
MM	MM	1	0.20		0.20	0.20
SE	SE	12	0.01	0.01	0.01	0.02
AG	AG	19	0.02	0.02	0.01	0.10
NA	NA	16	130.44	7.77	120.00	140.00
TDS	TDS	14	710.03	466.13	0.10	1000.00
SOLS	SOLS	6	1642.50	1597.76	855.00	4900.00
SFC	SFC	11	1316.36	219.38	800.00	1620.00
SM	SM	13	6.41	1.30	3.80	8.40
SU4	SU4	16	389.13	153.00	156.00	910.00
TEMP	TEMP	10	13.06	3.55	8.00	19.00
ZN	ZN	16	0.03	0.02	0.02	0.10
TUC	TUC	4	8.50	5.20	1.00	13.00
PHEN	PHEN	13	0.00	0.01	0.00	0.02
CYAN	CYAN	0				
NH3	NH3	13	0.45	1.16	0.04	4.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 12*

LOC=4507

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIU2	SIU2	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
HB	HB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
A	A	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	0.10	0.00	0.10	0.10
TURB	TURB	0	.	.	.	.
PF	PF	0	.	.	.	.
TSSP	TSSP	0	.	.	.	.
M22B	M22B	0	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 125

LOC=SUB

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	7	462.86	22.89	430.00	480.00
AL	AL	7	0.11	0.04	0.10	0.20
AMS	AMS	7	0.02	0.00	0.02	0.02
PCOLIF	PCOLIF	3	634.00	1096.39	1.00	1900.00
BA	BA	7	0.50	0.00	0.50	0.50
MC03	MC03	7	412.86	37.36	310.00	480.00
QUD	QUD	7	29.90	45.97	0.30	130.00
B	B	6	0.09	0.02	0.04	0.10
BM	BM	2	0.55	0.21	0.40	0.70
TCOLIF	TCOLIF	2	1205.00	1548.56	110.00	2300.00
CU	CU	7	0.02	0.01	0.01	0.02
CA	CA	7	85.29	23.32	59.00	120.00
CU3	CU3	7	50.14	60.70	1.00	170.00
CL	CL	7	26.57	25.69	11.00	82.00
CR	CR	7	0.02	0.00	0.02	0.02
COD	COD	7	8.00	16.36	1.00	45.00
CU	CU	7	0.03	0.03	0.02	0.10
DU	DU	3	0.70	0.70	0.20	7.50
DOC	DOC	2	1.00	0.00	1.00	1.00
LAS	LAS	0	.	.	.	.
F	F	7	0.52	0.10	0.40	0.70
HARD	HARD	7	537.14	94.11	400.00	640.00
FE	FE	7	0.10	0.18	0.02	0.50
KUN	KUN	3	0.38	0.31	0.10	0.80
PD	PD	7	0.02	0.00	0.02	0.02
LI	LI	7	0.04	0.01	0.02	0.05
MG	MG	7	74.29	15.83	61.00	100.00
MN	MN	7	0.03	0.03	0.02	0.10
MG	MG	8	0.01	0.01	0.00	0.02
MOLY	MOLY	7	0.03	0.03	0.01	0.08
NI	NI	7	0.03	0.03	0.02	0.10
NO3	NO3	8	604.55	1695.24	0.10	4800.00
ULGH	ULGH	7	2.00	1.15	1.00	4.00
SZ03	SZ03	0	.	.	.	.
PH	PH	3	2.26	0.75	7.20	7.40
K	K	7	3.33	1.42	1.60	3.70
RA	RA	3	4.00	.	1.70	4.30
BTk	BTk	1	.	.	4.00	4.00
RM	RM	0	.	.	.	.
SE	SE	5	0.02	0.01	0.01	0.03
AG	AG	7	0.02	0.01	0.01	0.04
NA	NA	7	125.71	9.76	120.00	140.00
TDS	TDS	7	842.87	372.42	0.10	1000.00
SULS	SULS	1	4400.00	.	4400.00	4400.00
SPC	SPC	3	1380.00	65.57	1320.00	1450.00
SM	SM	6	6.25	0.78	5.00	7.30
S04	S04	7	338.57	67.44	250.00	440.00
TEMP	TEMP	2	13.00	2.83	11.00	15.00
ZN	ZN	7	0.03	0.03	0.02	0.10
TUC	TUC	1	2.00	.	2.00	2.00
PHEN	PHEN	7	0.00	0.00	0.00	0.01
CYAN	CYAN	0	.	.	.	.
NH3	NH3	7	0.14	0.22	0.04	0.64

5 YEAR STATISTICS FOR SAFER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 126

LUC=MS08

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
S102	S102	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
FM	FM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZR	ZR	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	1	0.10	.	0.10	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
RZ2R	RZ2R	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983

127

LUC=MS09

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	15	484.33	56.66	400.00	665.00
AL	AL	15	0.13	0.08	0.04	0.40
AMS	AMS	15	0.03	0.05	0.02	0.20
FCULIF	FCULIF	8	49.25	134.46	1.00	382.00
BA	BA	15	0.51	0.02	0.50	0.59
HCUJ	HCUJ	15	462.67	67.11	380.00	665.00
BOD	BOD	15	38.89	57.43	0.40	150.00
B	B	14	0.12	0.08	0.04	0.32
BR	BR	7	0.54	0.27	0.10	0.90
TCULIF	TCULIF	6	127.67	191.38	1.00	422.00
CO	CO	15	0.02	0.01	0.01	0.02
CA	CA	15	45.73	24.79	42.00	120.00
COJ	COJ	15	22.20	26.08	1.00	65.00
CL	CL	15	16.71	16.51	8.00	70.00
CR	CR	15	0.02	0.00	0.02	0.02
COD	COD	15	4.47	16.94	0.10	50.00
CU	CU	15	0.03	0.02	0.02	0.10
DU	DU	10	6.43	1.72	2.80	9.40
DOC	DOC	3	7.33	8.39	2.00	17.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	15	0.46	0.15	0.30	0.90
HARD	HARD	15	574.00	84.16	430.00	690.00
FE	FE	15	0.15	0.22	0.02	0.50
KUN	KUN	13	0.54	0.90	0.07	3.00
PH	PH	15	0.03	0.02	0.02	0.10
LI	LI	15	0.04	0.02	0.02	0.05
MG	MG	15	80.67	10.52	63.00	100.00
MN	MN	15	0.03	0.02	0.02	0.10
HG	HG	14	0.01	0.01	0.00	0.02
MOLY	MOLY	15	0.02	0.01	0.01	0.05
NI	NI	15	0.02	0.00	0.02	0.02
NOJ	NOJ	15	302.03	1199.47	0.10	4800.00
ULGH	ULGH	15	4.40	3.62	1.00	10.00
SZ03	SZ03	2	6.00	5.66	4.00	12.00
PH	PH	10			7.20	8.20
K	K	15	1.65	0.96	1.00	4.60
RA	RA	6	3.03	3.15	1.00	9.30
BIK	BIK	7	3.29	2.21	1.00	7.00
HR	HR	1	0.20		0.20	0.20
SE	SE	12	0.01	0.01	0.01	0.02
AG	AG	17	0.02	0.05	0.01	0.20
NA	NA	15	122.67	12.80	100.00	150.00
TDS	TDS	13	743.10	424.64	0.10	1000.00
SOLS	SOLS	5	968.00	48.68	890.00	1000.00
SPC	SPC	10	1324.00	120.60	1130.00	1550.00
SH	SH	14	6.04	1.34	3.50	8.00
S04	S04	15	325.73	59.44	190.00	420.00
TEMP	TEMP	8	11.85	3.55	6.00	16.00
ZN	ZN	15	0.03	0.02	0.02	0.10
TUC	TUC	4	15.50	6.76	9.00	25.00
PHEN	PHEN	14	0.00	0.00	0.00	0.01
CYAN	CYAN	0				
NH3	NH3	14	0.09	0.09	0.06	0.30

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LOC=#509

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
STU2	STU2	2	0.10	0.00	0.10	0.10
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
FM	FM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
DB	DB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	3	0.10	0.00	0.10	0.10
TUKB	TUKB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
KZEB	KZEB	U	.	.	.	.

LOC=WS10

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	15	463.93	58.77	340.00	636.00
AL	AL	15	0.17	0.23	0.10	1.00
AMS	AMS	15	0.02	0.00	0.02	0.02
FCULIF	FCULIF	8	56.38	102.58	1.00	276.00
BA	BA	15	0.55	0.21	0.50	1.30
MCU3	MCU3	15	434.33	75.92	310.00	636.00
ROD	ROD	15	38.64	57.90	0.40	150.00
H	H	14	0.13	0.11	0.04	0.48
BN	BN	7	0.64	0.15	0.40	0.91
FCULIF	FCULIF	6	425.17	832.06	1.00	2100.00
CD	CD	15	0.02	0.01	0.01	0.02
CA	CA	15	90.93	22.98	49.00	120.00
CU3	CU3	15	29.80	33.33	1.00	96.00
CL	CL	15	13.76	9.40	8.00	47.00
CM	CM	15	0.02	0.00	0.02	0.02
CUD	CUD	15	11.54	17.21	0.10	50.00
CU	CU	15	0.63	0.02	0.02	0.10
DU	DU	10	6.97	2.56	3.00	11.20
DUC	DUC	3	6.67	9.81	1.00	18.00
LAS	LAS	2	0.05	0.02	0.04	0.07
F	F	15	0.45	0.08	0.30	0.70
MARKD	MARKD	15	541.33	88.14	350.00	660.00
FE	FE	15	0.15	0.22	0.02	0.50
KJN	KJN	14	0.51	0.53	0.10	2.00
PH	PH	15	0.04	0.05	0.02	0.20
LI	LI	15	0.03	0.02	0.01	0.05
MG	MG	15	72.00	19.54	13.00	100.00
MN	MN	15	0.03	0.02	0.02	0.10
MG	MG	15	0.01	0.01	0.00	0.02
MULY	MULY	15	0.02	0.02	0.01	0.10
NI	NI	15	0.02	0.02	0.02	0.08
NO3	NO3	15	301.92	1199.49	0.10	4800.00
OLGM	OLGM	15	6.35	6.45	1.00	20.00
S203	S203	2	7.50	4.95	4.00	11.00
PH	PH	10			7.50	8.60
K	K	15	1.74	0.83	1.00	3.80
MA	MA	6	2.20	0.88	1.00	3.00
BIF	BIF	6	5.67	2.58	2.00	8.00
RR	RR	1	0.30		0.30	0.30
SE	SE	12	0.01	0.01	0.01	0.02
AG	AG	17	0.02	0.05	0.01	0.20
NA	NA	15	114.67	4.90	100.00	140.00
TDS	TDS	13	718.48	410.46	0.10	970.00
SULS	SULS	5	910.00	118.95	710.00	1000.00
SPL	SPL	10	1261.00	120.41	1090.00	1470.00
SM	SM	14	5.04	1.54	2.00	7.30
SU4	SU4	15	339.60	55.80	240.00	440.00
TEMP	TEMP	8	11.60	3.73	6.00	18.00
ZN	ZN	14	0.03	0.02	0.02	0.10
TUC	TUC	4	23.75	26.06	5.00	62.00
PHEN	PHEN	14	0.00	0.01	0.00	0.02
CYAN	CYAN	0				
NH3	NH3	14	0.11	0.12	0.04	0.50

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LUC=MS10

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	3	0.10	0.00	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
RZCB	RZCB	U	.	.	.	.

LOC=WS11

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	466.67	10.33	450.00	480.00
AL	AL	6	0.10	0.00	0.10	0.10
AKS	AKS	6	0.02	0.00	0.02	0.02
FCOLIF	FCOLIF	3	57.33	59.75	1.00	120.00
BA	BA	6	0.50	0.00	0.50	0.50
HCUJ	HCUJ	6	450.00	20.98	420.00	470.00
BUD	BUD	6	81.50	66.55	10.00	150.00
B	B	6	0.14	0.05	0.10	0.20
BM	BM	2	0.65	0.07	0.60	0.70
TCOLIF	TCOLIF	3	93.33	72.59	16.00	160.00
CD	CD	6	0.01	0.00	0.01	0.01
CA	CA	6	99.50	24.48	66.00	120.00
CUJ	CUJ	6	17.67	26.20	1.00	58.00
CL	CL	6	10.83	1.17	10.00	13.00
CK	CK	6	0.02	0.00	0.02	0.02
CUD	CUD	6	18.17	24.73	1.00	50.00
CU	CU	6	0.02	0.00	0.02	0.02
DO	DO	6	7.07	2.16	3.30	9.80
DOC	DOC	6	.	.	.	.
LAS	LAS	6	.	.	.	.
F	F	6	0.45	0.05	0.40	0.50
HARD	HARD	6	586.67	90.48	410.00	670.00
FE	FE	6	0.02	0.01	0.02	0.03
KJN	KJN	6	0.28	0.45	0.10	1.20
PH	PH	6	0.02	0.00	0.02	0.02
LI	LI	6	0.05	0.00	0.05	0.05
MG	MG	6	76.17	8.82	59.00	84.00
MN	MN	6	0.02	0.00	0.02	0.02
MG	MG	6	0.00	0.00	0.00	0.00
MOLY	MOLY	6	0.01	0.00	0.01	0.01
NI	NI	6	0.02	0.00	0.02	0.02
NOJ	NOJ	6	1.55	0.44	0.60	2.00
ULGH	ULGH	6	4.83	4.45	1.00	10.00
SZUJ	SZUJ	6	.	.	.	.
PH	PH	6	2.23	1.31	0.70	8.10
K	K	6	1.50	0.71	1.10	4.50
MA	MA	6	7.00	5.20	1.00	2.00
BTM	BTM	6	.	.	.	.
HN	HN	6	0.01	0.00	0.01	0.01
SE	SE	6	0.01	0.00	0.01	0.01
AG	AG	6	118.33	7.53	110.00	130.00
NA	NA	6	933.33	17.51	910.00	960.00
TUS	TUS	6	1230.00	103.15	1080.00	1370.00
SULS	SULS	6	8.98	1.81	3.00	7.40
SPC	SPC	6	316.67	47.61	240.00	380.00
SM	SM	6	11.66	4.88	6.00	18.00
SU4	SU4	6	0.02	0.01	0.02	0.03
TEMP	TEMP	6	0.00	0.00	0.00	0.00
ZN	ZN	6
TUC	TUC	6	0.00	0.00	0.00	0.00
PHEN	PHEN	6
CYAN	CYAN	6	0.04	0.00	0.04	0.04
NHJ	NHJ	6

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LUG=MS11

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
ST02	ST02	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
AB	AB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
HE	HE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TUMB	TUMB	3	0.10	0.00	0.10	0.10
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
M22B	M22B	U	.	.	.	.

LUC=WS12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	618.33	104.00	470.00	730.00
AL	AL	6	0.10	0.00	0.10	0.10
ARS	ARS	6	0.02	0.00	0.02	0.02
FCULIF	FCULIF	3	147.33	253.46	1.00	440.00
BA	BA	6	0.50	0.00	0.50	0.50
MCUJ	MCUJ	6	543.33	45.01	470.00	660.00
BUD	BUD	6	113.67	110.43	10.00	300.00
H	H	6	0.37	0.10	0.20	0.50
BM	BM	2	0.30	0.28	0.10	0.50
TCULIF	TCULIF	3	169.67	256.66	18.00	466.00
CD	CD	6	0.01	0.00	0.01	0.01
CA	CA	6	43.17	14.37	57.00	100.00
COJ	COJ	6	34.67	37.06	1.00	100.00
CL	CL	6	11.08	1.28	9.50	13.00
CK	CK	6	0.02	0.00	0.02	0.02
CUO	CUO	6	22.67	22.57	1.00	50.00
CU	CU	6	0.02	0.00	0.02	0.02
DU	DU	6	7.22	2.35	2.80	9.40
DUC	DUC	6	.	.	.	.
LAS	LAS	6	.	.	.	.
F	F	6	2.05	1.83	0.50	5.30
HARD	HARD	6	500.00	89.22	360.00	630.00
FE	FE	6	0.02	0.00	0.02	0.02
KJN	KJN	6	0.17	0.12	0.10	0.40
PH	PH	6	0.02	0.00	0.02	0.02
LI	LI	6	0.05	0.00	0.05	0.05
MG	MG	6	69.00	10.83	52.00	81.00
MN	MN	6	0.02	0.00	0.02	0.02
HG	HG	6	0.00	0.00	0.00	0.00
MOLY	MOLY	6	0.02	0.00	0.01	0.02
NI	NI	6	0.02	0.00	0.02	0.02
NOJ	NOJ	6	4.40	1.32	3.00	6.10
ULGH	ULGH	6	5.00	3.90	2.00	10.00
S2UJ	S2UJ	6	.	.	.	.
PH	PH	6	3.30	1.34	7.30	8.20
K	K	6	4.67	1.15	1.90	5.80
MA	MA	6	8.00	0.00	4.00	6.00
HTH	HTH	6	0.20	0.00	0.20	0.20
SE	SE	6	0.01	0.00	0.01	0.01
AG	AG	6	0.01	0.00	0.01	0.01
NA	NA	6	203.33	59.55	120.00	260.00
TDS	TDS	6	1020.00	64.81	950.00	1100.00
SULS	SULS	6	1375.00	107.28	1220.00	1500.00
SPC	SPC	6	3.76	1.36	2.40	5.90
SH	SH	6	230.00	20.00	200.00	250.00
SU4	SU4	6	14.00	3.74	8.00	18.00
TEMP	TEMP	6	0.02	0.00	0.02	0.03
ZN	ZN	6	.	.	.	.
TUC	TUC	6	0.00	0.00	0.00	0.01
PHEN	PHEN	6	.	.	.	.
CYAN	CYAN	6	.	.	.	.
NH3	NH3	6	0.04	0.00	0.04	0.04

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WS12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
AB	AB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	3	0.10	0.00	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSP	TSSP	U	.	.	.	.
422B	422B	U	.	.	.	.

LOC=#536

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	7	431.43	6.90	420.00	440.00
AL	AL	7	0.10	0.00	0.10	0.10
AMS	AMS	7	0.02	0.00	0.02	0.02
FCULIF	FCULIF	4	1052.25	2093.50	1.00	4200.00
BA	BA	7	0.50	0.00	0.50	0.50
MCUJ	MCUJ	7	351.43	23.40	310.00	380.00
BOD	BOD	7	96.29	102.16	2.00	280.00
B	B	7	0.14	0.08	0.10	0.30
BR	BR	2	0.70	0.00	0.70	0.70
TCOLIF	TCOLIF	4	1205.00	2265.11	9.00	4600.00
CU	CU	7	0.01	0.00	0.01	0.01
CA	CA	7	98.29	16.39	84.00	110.00
CUJ	CUJ	7	78.86	23.77	46.00	120.00
CL	CL	7	12.20	14.46	6.40	45.00
CR	CR	7	0.02	0.00	0.01	0.02
CUD	CUD	7	17.00	23.02	1.00	50.00
CU	CU	7	0.02	0.00	0.02	0.02
DU	DU	7	7.63	2.22	3.20	10.40
DOC	DOC	1	8.00	.	8.00	8.00
LAS	LAS	0	.	.	.	.
F	F	7	0.34	0.10	0.20	0.50
HAND	HAND	7	508.57	69.39	420.00	620.00
FE	FE	7	0.02	0.00	0.02	0.03
KJN	KJN	7	0.16	0.15	0.10	0.50
PH	PH	7	0.02	0.00	0.02	0.02
LI	LI	7	0.05	0.00	0.05	0.05
MG	MG	7	78.29	7.34	63.00	86.00
AN	AN	7	0.02	0.00	0.02	0.02
MG	MG	7	0.00	0.00	0.00	0.00
MULY	MULY	7	0.01	0.00	0.01	0.01
NI	NI	7	0.02	0.00	0.02	0.02
NOJ	NOJ	7	3.37	2.99	1.60	10.00
OLGH	OLGH	7	4.14	4.14	1.00	10.00
S20J	S20J	0	.	.	.	.
PH	PH	7	2.09	1.07	7.60	8.60
K	K	7	4.85	2.12	1.20	4.20
RA	RA	4	4.00	1.00	3.40	8.00
BTM	BTM	3	0.30	.	0.30	5.00
MM	MM	1	0.01	0.00	0.01	0.30
SE	SE	7	0.01	0.00	0.01	0.02
AG	AG	7	124.29	12.72	100.00	140.00
NA	NA	7	944.29	23.70	910.00	980.00
TOS	TOS	7	1278.57	142.53	1060.00	1490.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	7	4.47	1.48	2.60	6.60
SH	SH	0	325.71	39.94	280.00	390.00
S04	S04	7	14.33	4.00	8.50	19.50
TEMP	TEMP	0	0.02	0.00	0.01	0.02
ZN	ZN	0	.	.	.	.
TUC	TUC	7	0.00	0.00	0.00	0.01
PHEN	PHEN	7	0.00	0.00	0.00	0.01
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	7	0.05	0.02	0.04	0.10

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WSJ6

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
J	J	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
RE	RE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	3	0.10	0.00	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
RE20	RE20	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=MS66

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	490.00	.	490.00	490.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUJ	MCUJ	1	430.00	.	430.00	430.00
BUD	BUD	1	1.00	.	1.00	1.00
B	B	1	0.10	.	0.10	0.10
HR	HR	0	.	.	.	.
TCULIF	TCULIF	0	.	.	.	.
CU	CU	1	0.01	.	0.01	0.01
CA	CA	1	66.00	.	66.00	66.00
CUJ	CUJ	1	60.00	.	60.00	60.00
CL	CL	1	14.00	.	14.00	14.00
CH	CH	1	0.02	.	0.02	0.02
CUD	CUD	1	16.00	.	16.00	16.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	7.50	.	7.50	7.50
DOC	DOC	0	.	.	.	.
LAS	LAS	0	.	.	.	.
F	F	1	0.40	.	0.40	0.40
HAUO	HAUO	1	440.00	.	440.00	440.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	0.10	.	0.10	0.10
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	68.00	.	68.00	68.00
YN	YN	1	0.02	.	0.02	0.02
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NUJ	NUJ	1	3.80	.	3.80	3.80
ULGR	ULGR	1	1.00	.	1.00	1.00
SEUJ	SEUJ	0	.	.	.	.
PH	PH	1	7.60	.	7.60	7.60
K	K	1	6.10	.	6.10	6.10
MA	MA	0	.	.	.	.
RTM	RTM	0	.	.	.	.
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	140.00	.	140.00	140.00
TUS	TUS	1	1100.00	.	1100.00	1100.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	1360.00	.	1360.00	1360.00
SM	SM	1	6.50	.	6.50	6.50
SO4	SO4	1	300.00	.	300.00	300.00
TEMP	TEMP	1	23.00	.	23.00	23.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.04	.	0.04	0.04

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
LUC=MS00

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSF	PSF	U	.	.	.	.
S102	S102	U	.	.	.	.
U	U	U	.	.	.	.
SUS5	SUS5	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SH	SH	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
KB	KB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
K220	K220	U	.	.	.	.

TABLE 2.2.2.2-3
Time Series Plots

<u>Description</u>	<u>Page No.</u>
<u>Temperature (Deg.C)</u>	
WS01	I-303
WS02	I-304
WS04	I-305
WS06	I-306
WS07	I-307
WS08	I-308
WS09	I-309
WS10	I-310
WS11	I-311
WS12	I-312
WS36	I-313
<u>pH (Unit)</u>	
WS01	I-314
WS02	I-315
WS04	I-316
WS06	I-317
WS07	I-318
WS08	I-319
WS09	I-320
WS10	I-321
WS11	I-322
WS12	I-323
WS36	I-324
<u>SPC (mg/l)</u>	
WS01	I-325
WS02	I-326
WS04	I-327
WS06	I-328
WS07	I-329
WS08	I-330
WS09	I-331
WS10	I-332
WS11	I-333
WS12	I-334
WS36	I-335

TABLE 2.2.2.2-3 (Contd)

Time Series Plots

<u>Description</u>	<u>Page No.</u>
<u>DOC (mg/l)</u>	
WS01	I-336
WS02	I-337
WS04	I-338
WS06	I-339
WS07	I-340
WS08	I-341
WS09	I-342
WS10	I-343
<u>Sodium (mg/l)</u>	
WS01	I-344
WS02	I-345
WS04	I-346
WS06	I-347
WS07	I-348
WS08	I-349
WS09	I-350
WS10	I-351
WS11	I-352
WS12	I-353
WS36	I-354
<u>Fluoride (mg/l)</u>	
WS01	I-355
WS02	I-356
WS04	I-357
WS06	I-358
WS07	I-359
WS08	I-360
WS09	I-361
WS10	I-362
WS11	I-363
WS12	I-364
WS36	I-365
<u>TDS (mg/l)</u>	
WS01	I-366
WS02	I-367
WS04	I-368
WS06	I-369
WS07	I-370
WS08	I-371

TABLE 2.2.2.2-3 (Contd)

Time Series Plots

<u>Description</u>	<u>Page No.</u>
<u>TDS (mg/l) (Contd)</u>	
WS09	I-372
WS10	I-373
WS11	I-374
WS12	I-375
WS36	I-376
<u>Boron (mg/l)</u>	
WS01	I-377
WS02	I-378
WS04	I-379
WS06	I-380
WS07	I-381
WS08	I-382
WS09	I-383
WS10	I-384
WS11	I-385
WS12	I-386
WS36	I-387
<u>Molybdenum (mg/l)</u>	
WS01	I-388
WS02	I-389
WS04	I-390
WS06	I-391
WS07	I-392
WS08	I-393
WS09	I-394
WS10	I-395
WS11	I-396
WS12	I-397
WS36	I-398
<u>Sulfate (mg/l)</u>	
WS01	I-399
WS02	I-400
WS04	I-401
WS06	I-402
WS07	I-403
WS08	I-404

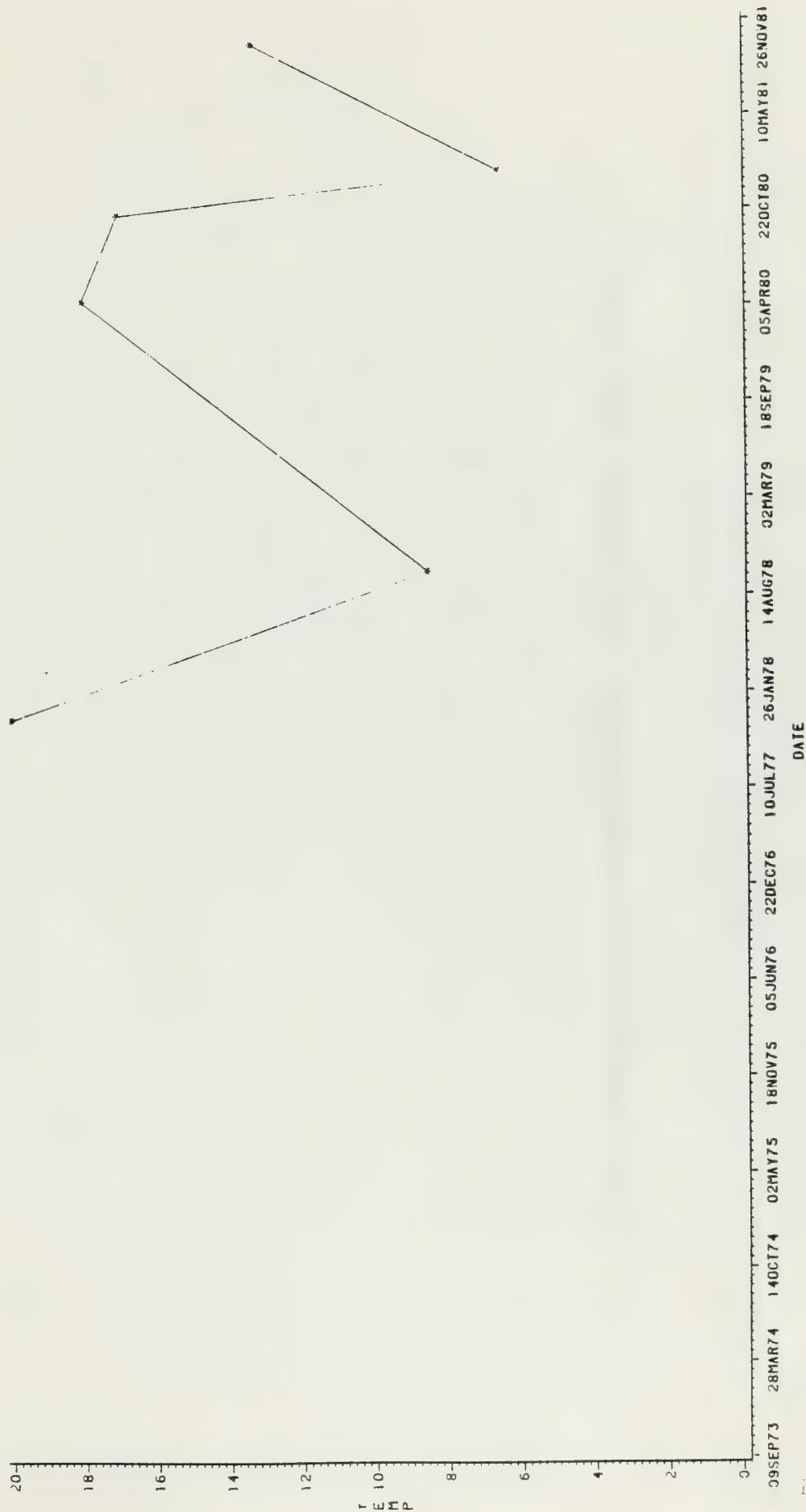
TABLE 2.2.2.2-3 (Contd)

Time Series Plots

<u>Description</u>	<u>Page No.</u>
<u>Sulfate</u> (mg/l) (Contd)	
WS09	I-405
WS10	I-406
WS11	I-407
WS12	I-408
WS36	I-409
<u>Ammonia</u> (mg/l)	
WS01	I-410
WS02	I-411
WS04	I-412
WS06	I-413
WS07	I-414
WS08	I-415
WS09	I-416
WS10	I-417
WS11	I-418
WS12	I-419
WS36	I-420
<u>Arsenic</u> (mg/l)	
WS01	I-421
WS02	I-422
WS04	I-423
WS06	I-424
WS07	I-425
WS08	I-426
WS09	I-427
WS10	I-428
WS11	I-429
WS12	I-430
WS36	I-431

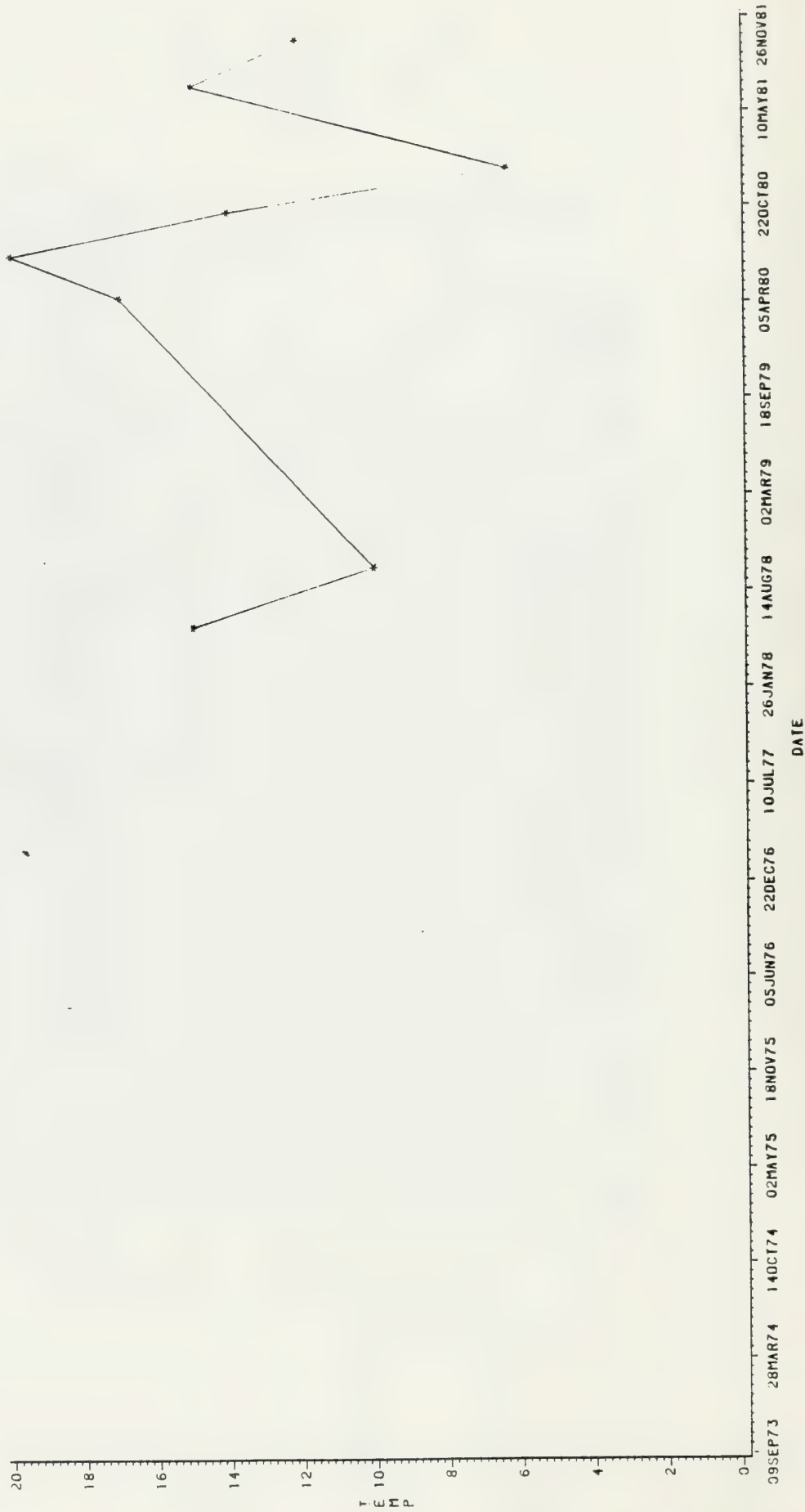
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS01



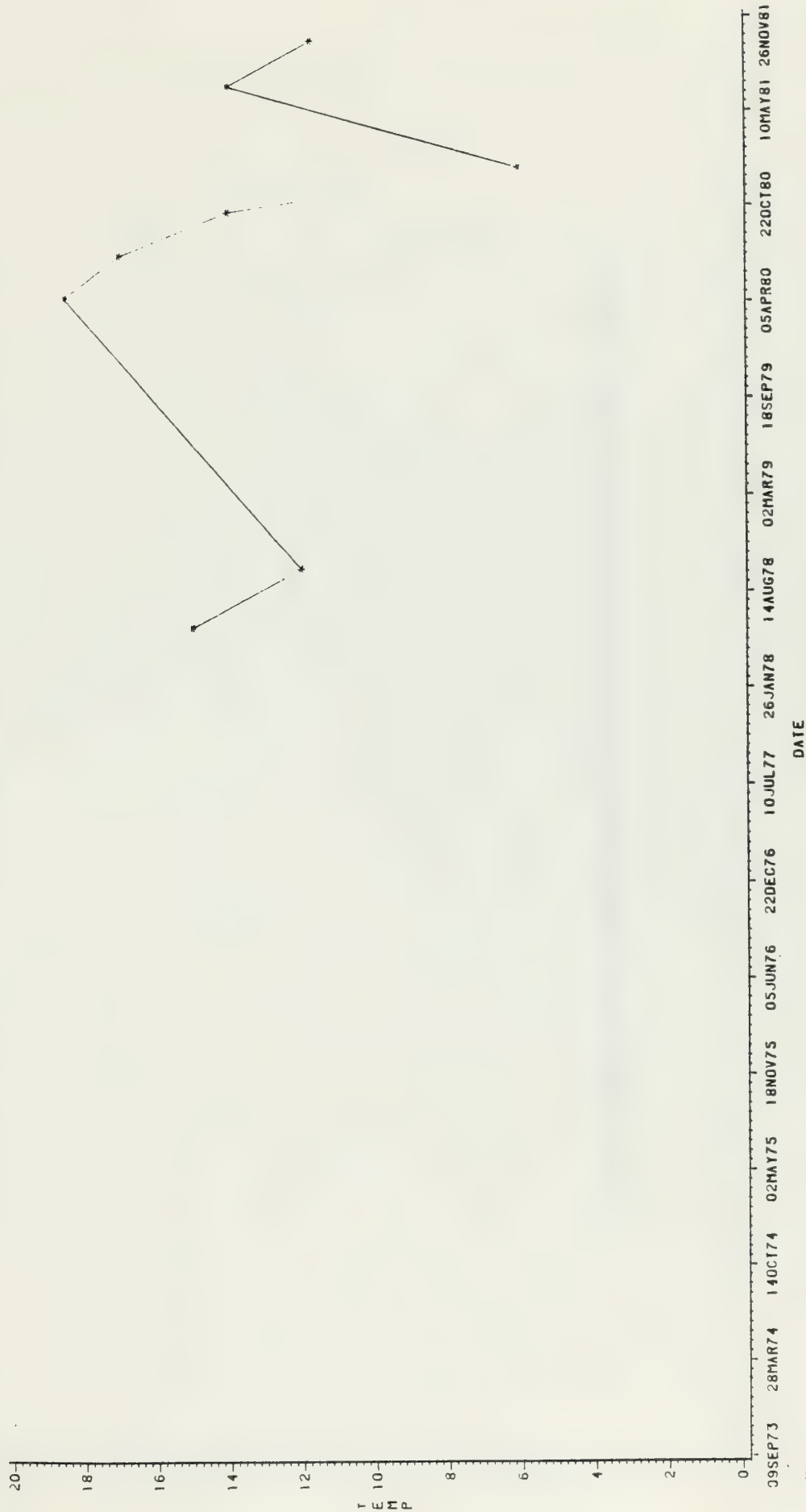
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS02



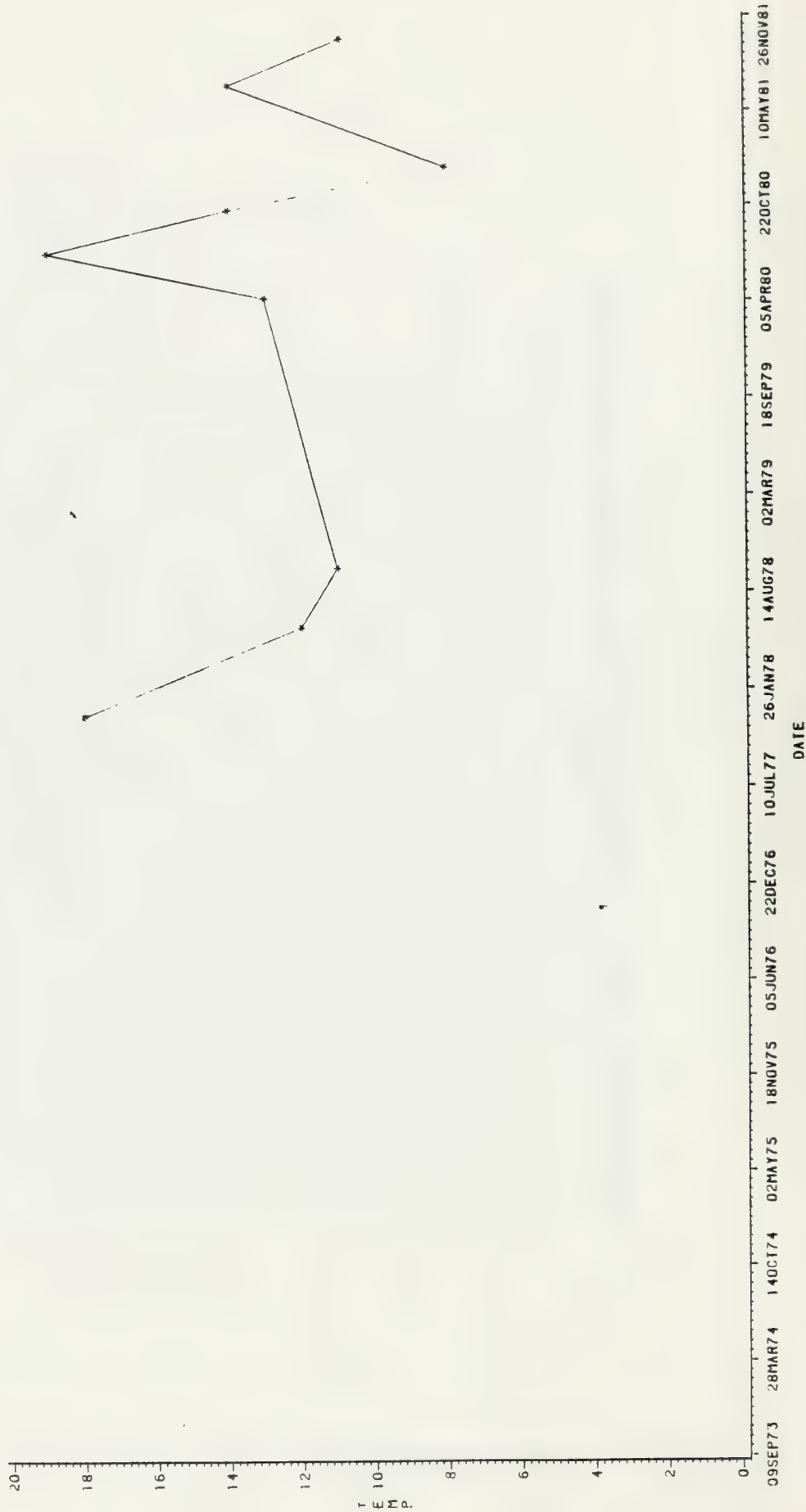
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS04



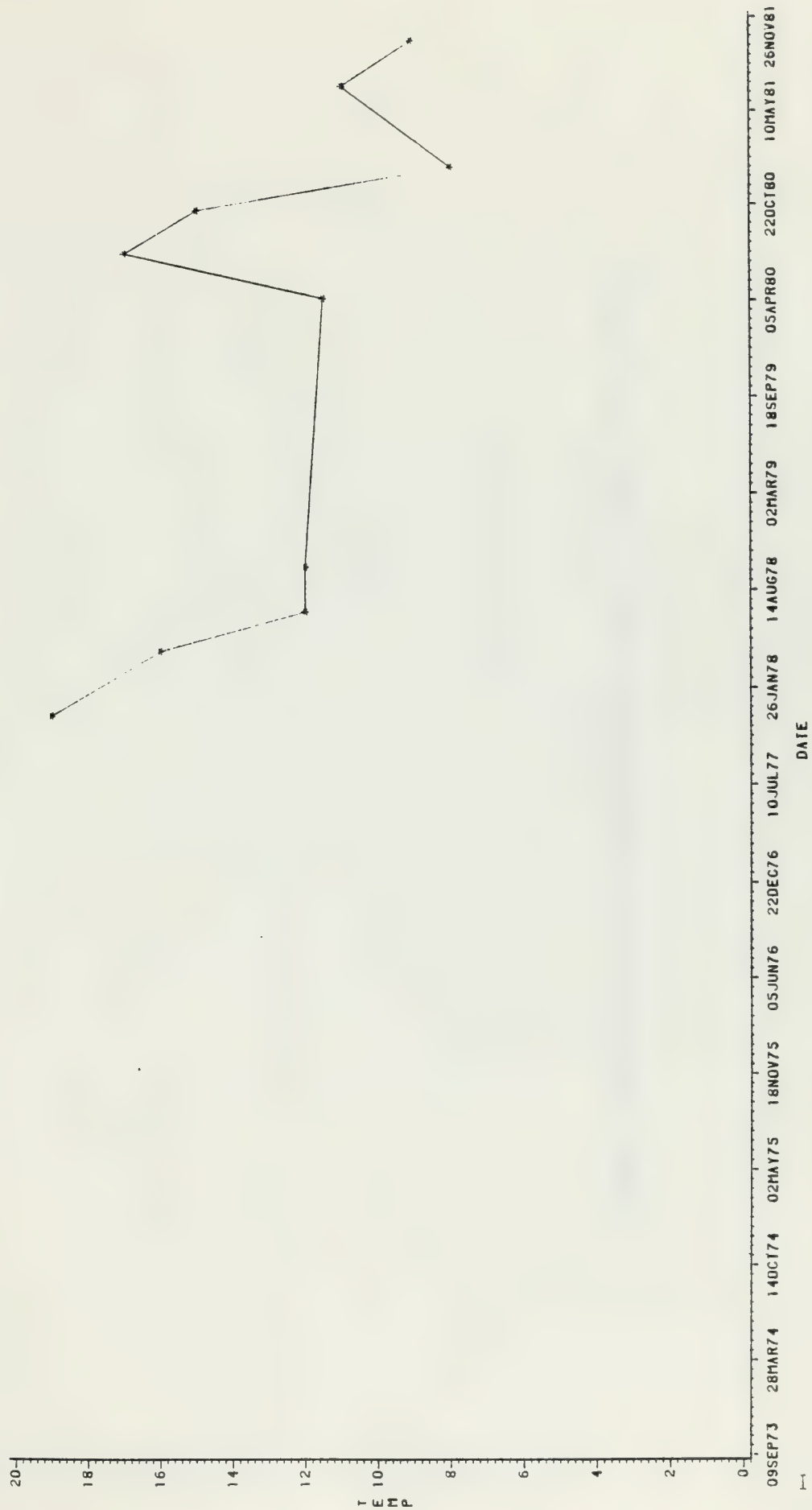
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS06



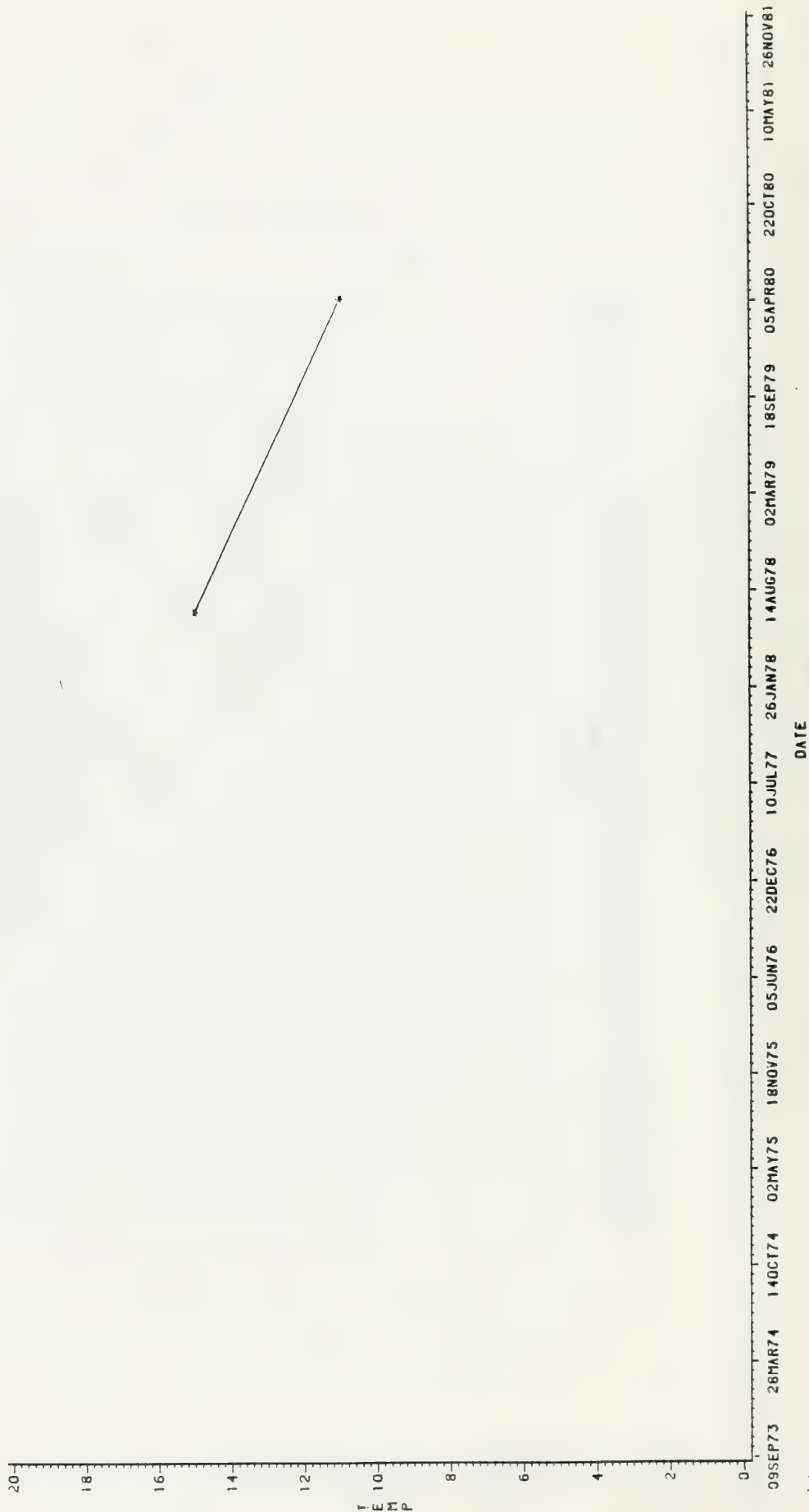
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC-WS07



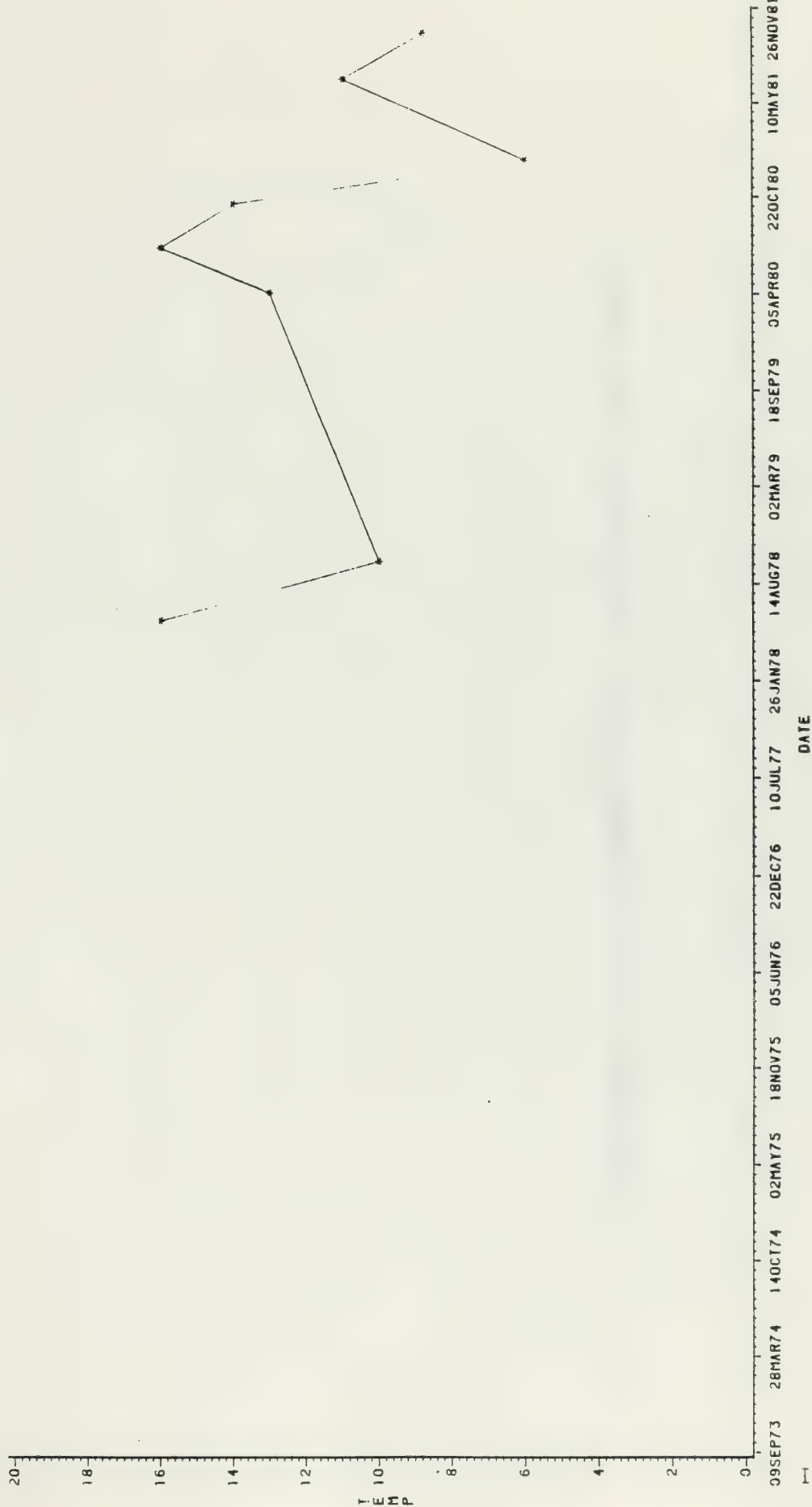
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC-WS08



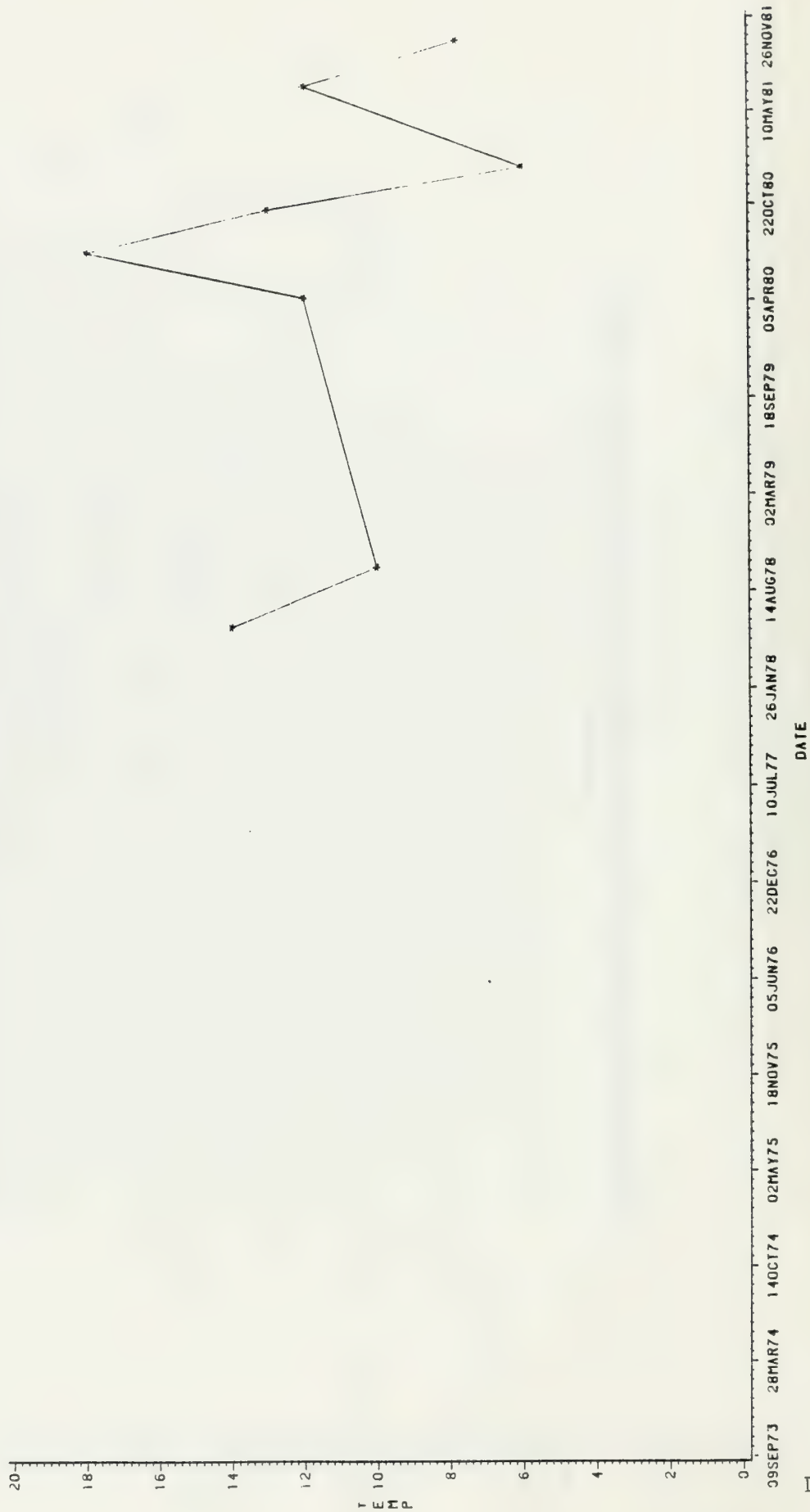
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS09



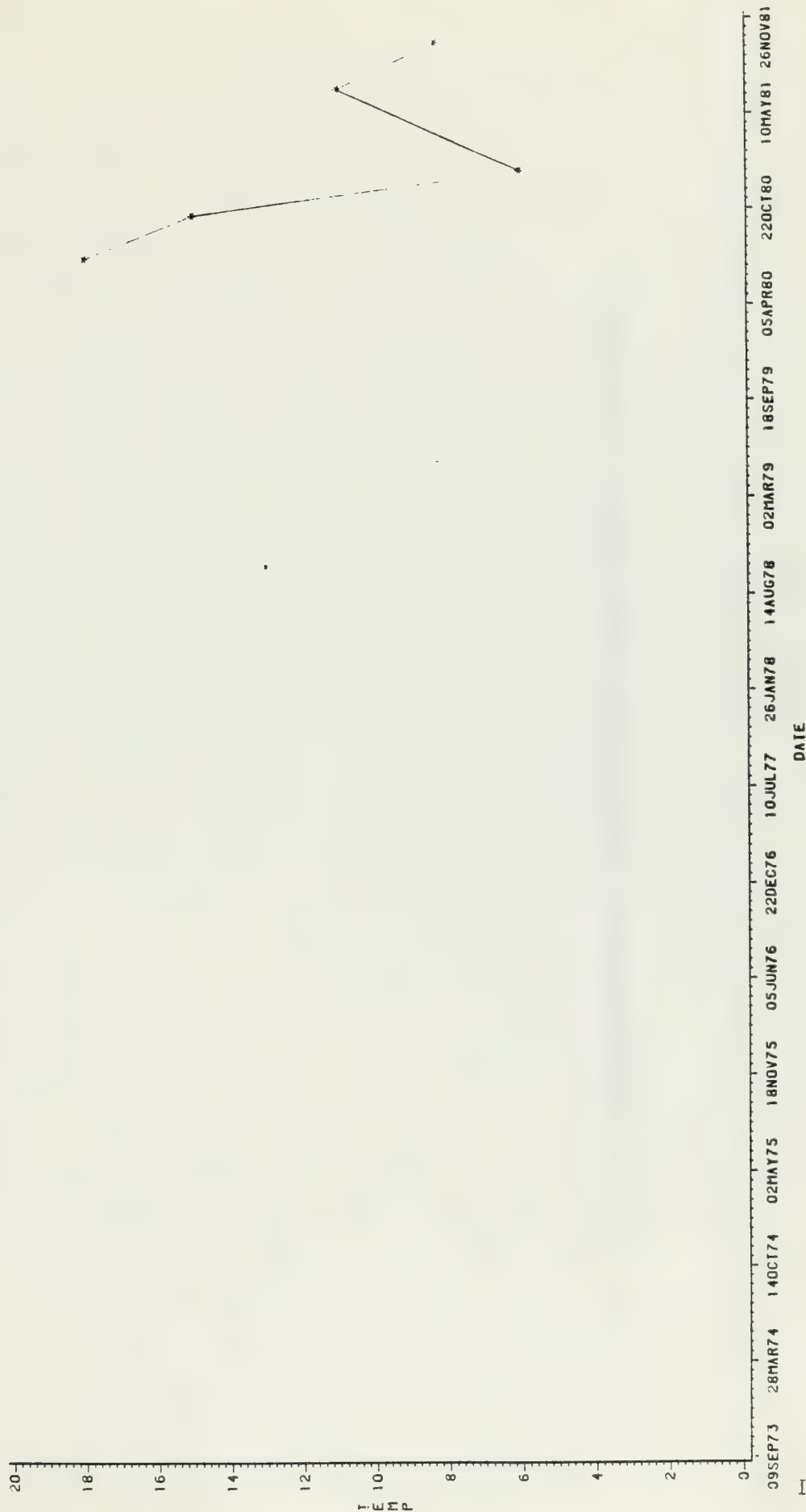
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC-WS10



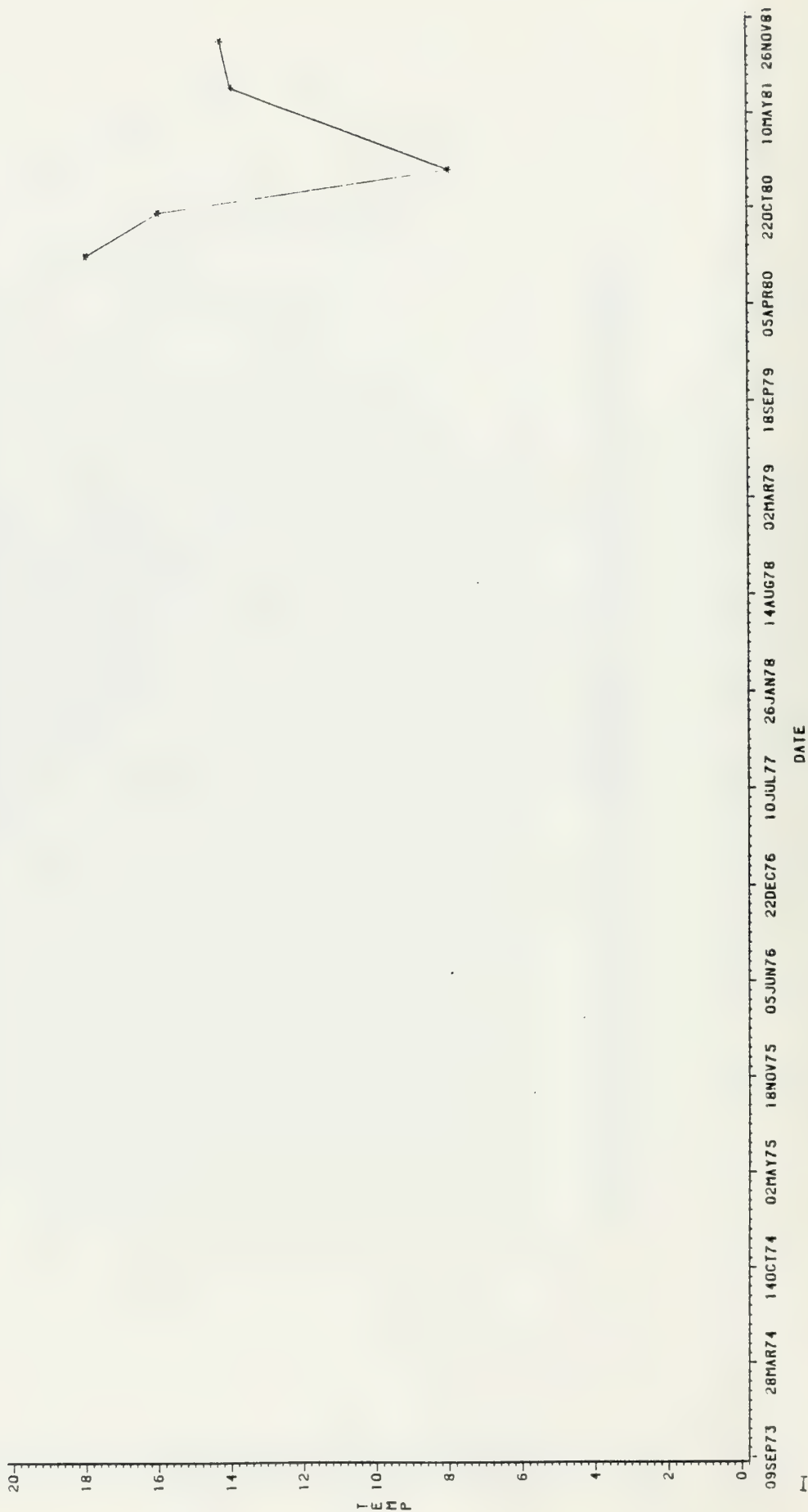
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS11



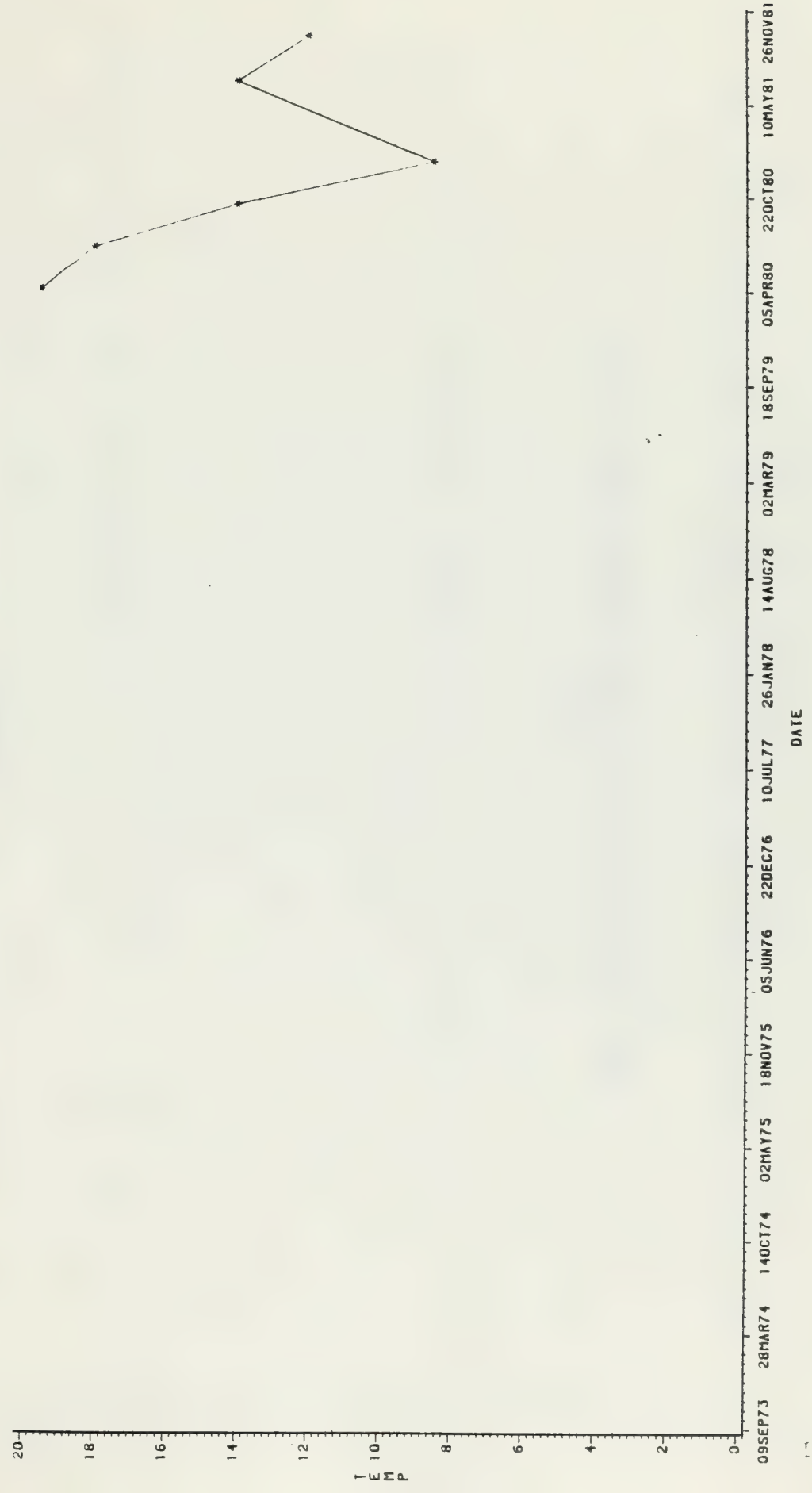
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS12



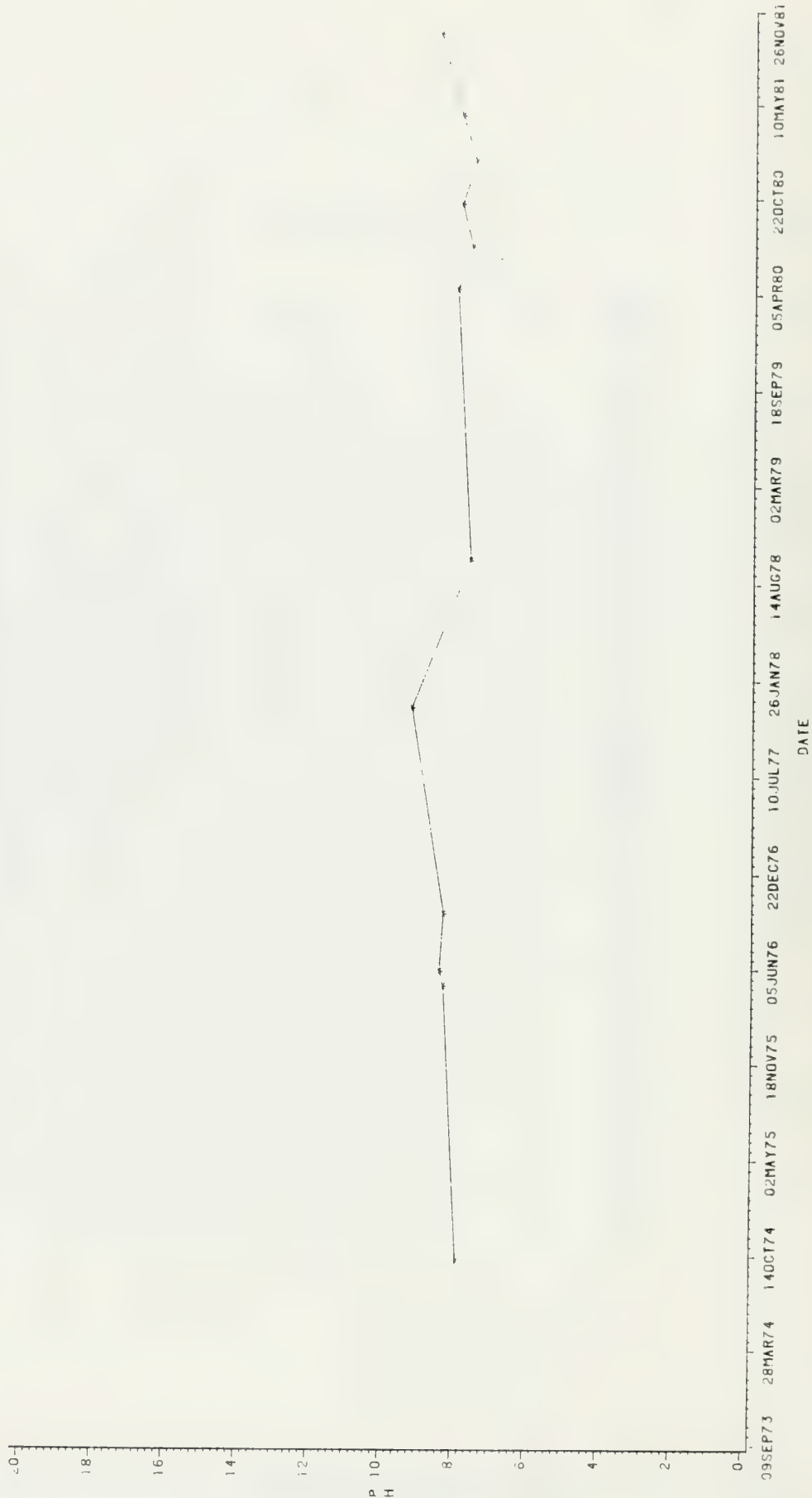
TIME SERIES PLOT OF TEMPERATURE FOR SPRINGS AND SEEPS

LOC=WS36



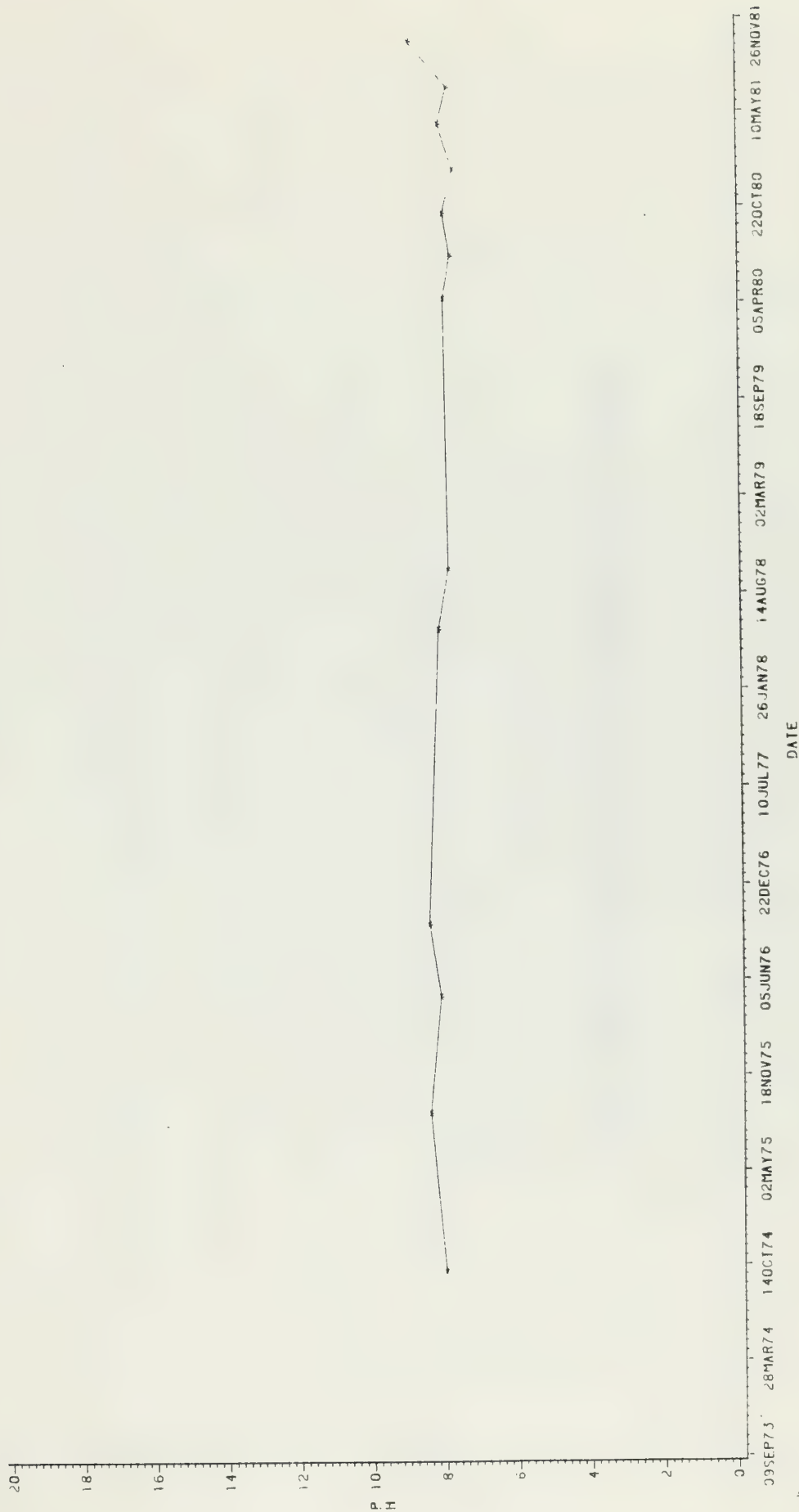
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS01



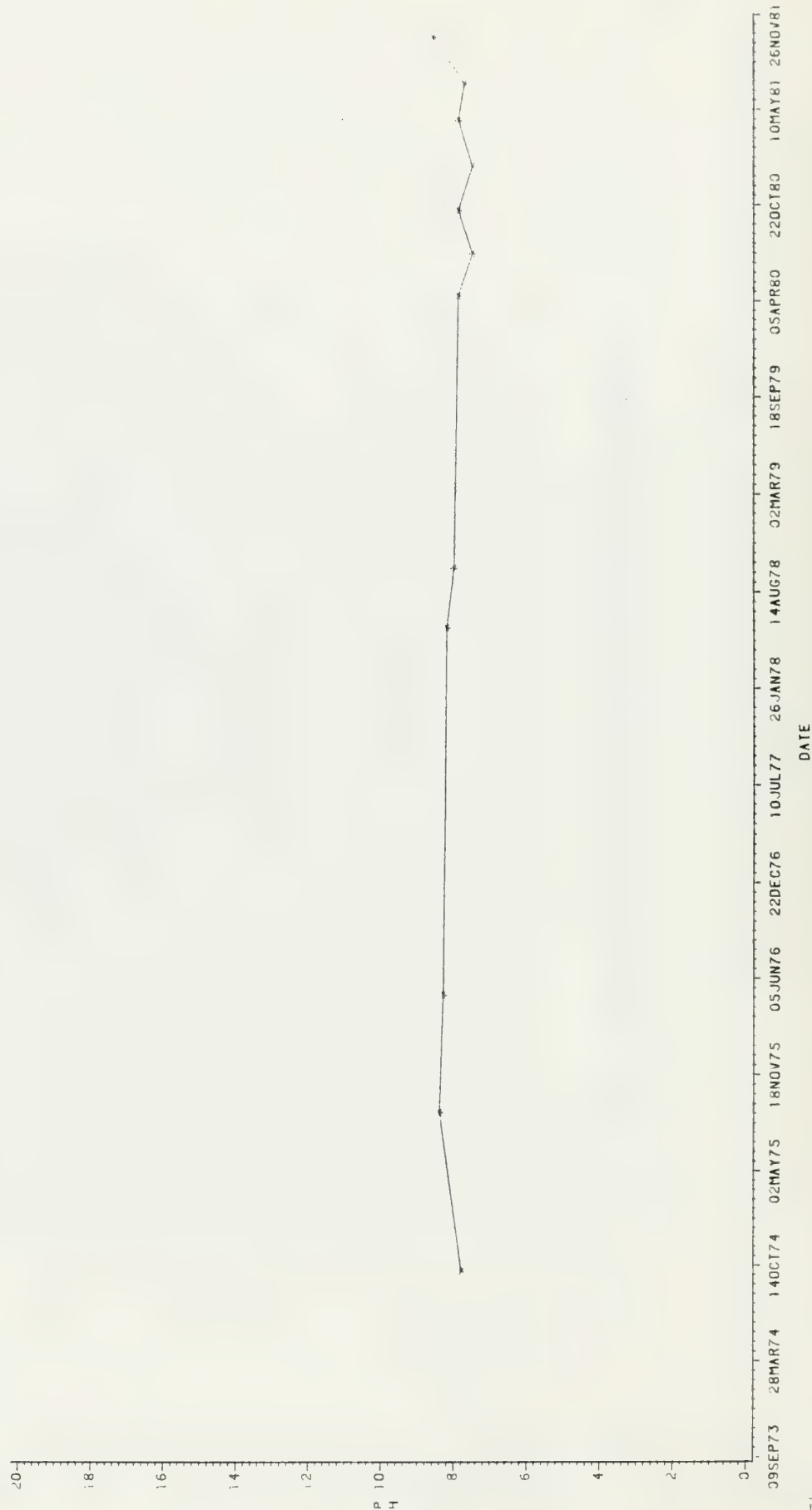
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS02



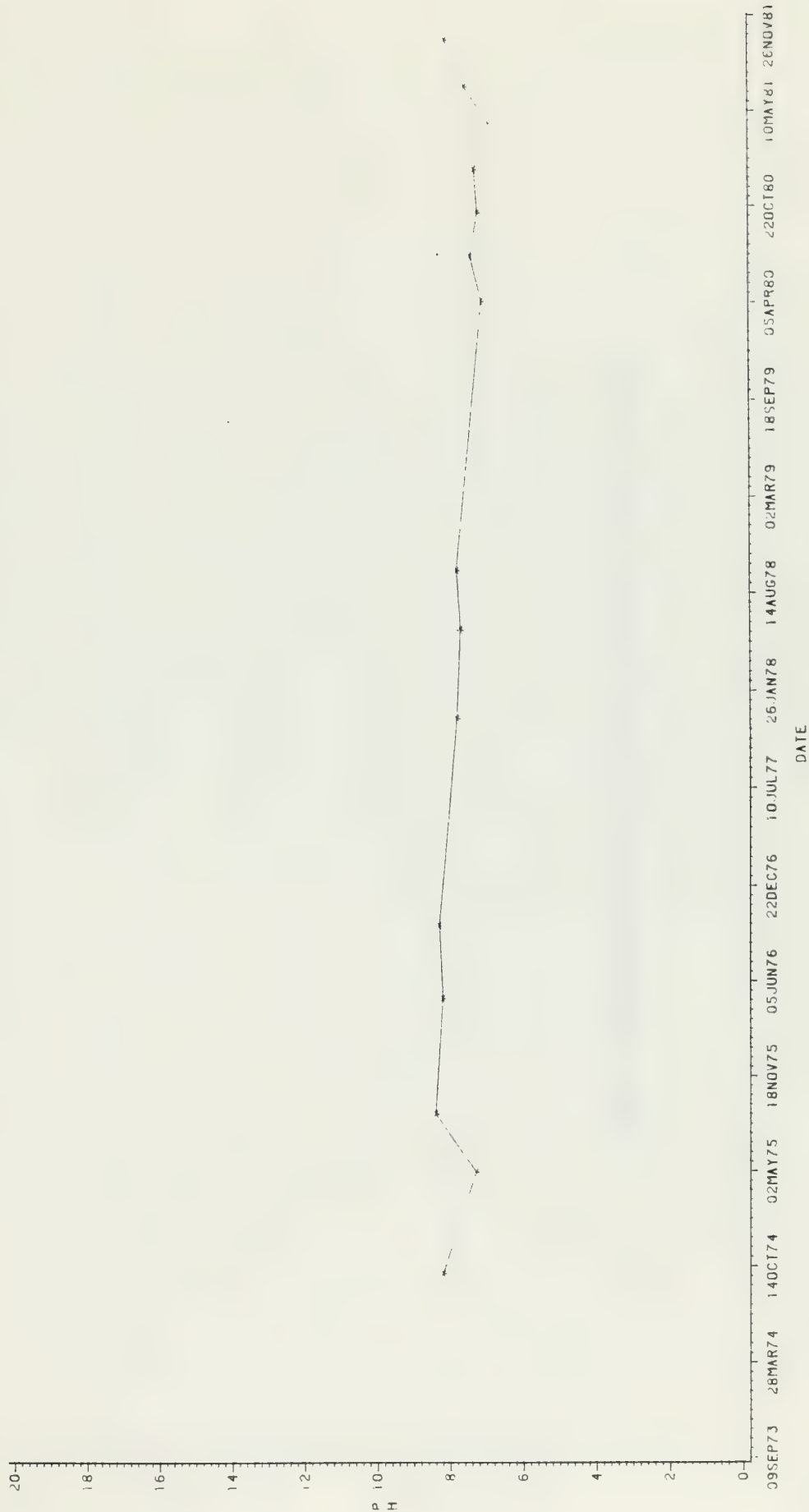
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS04



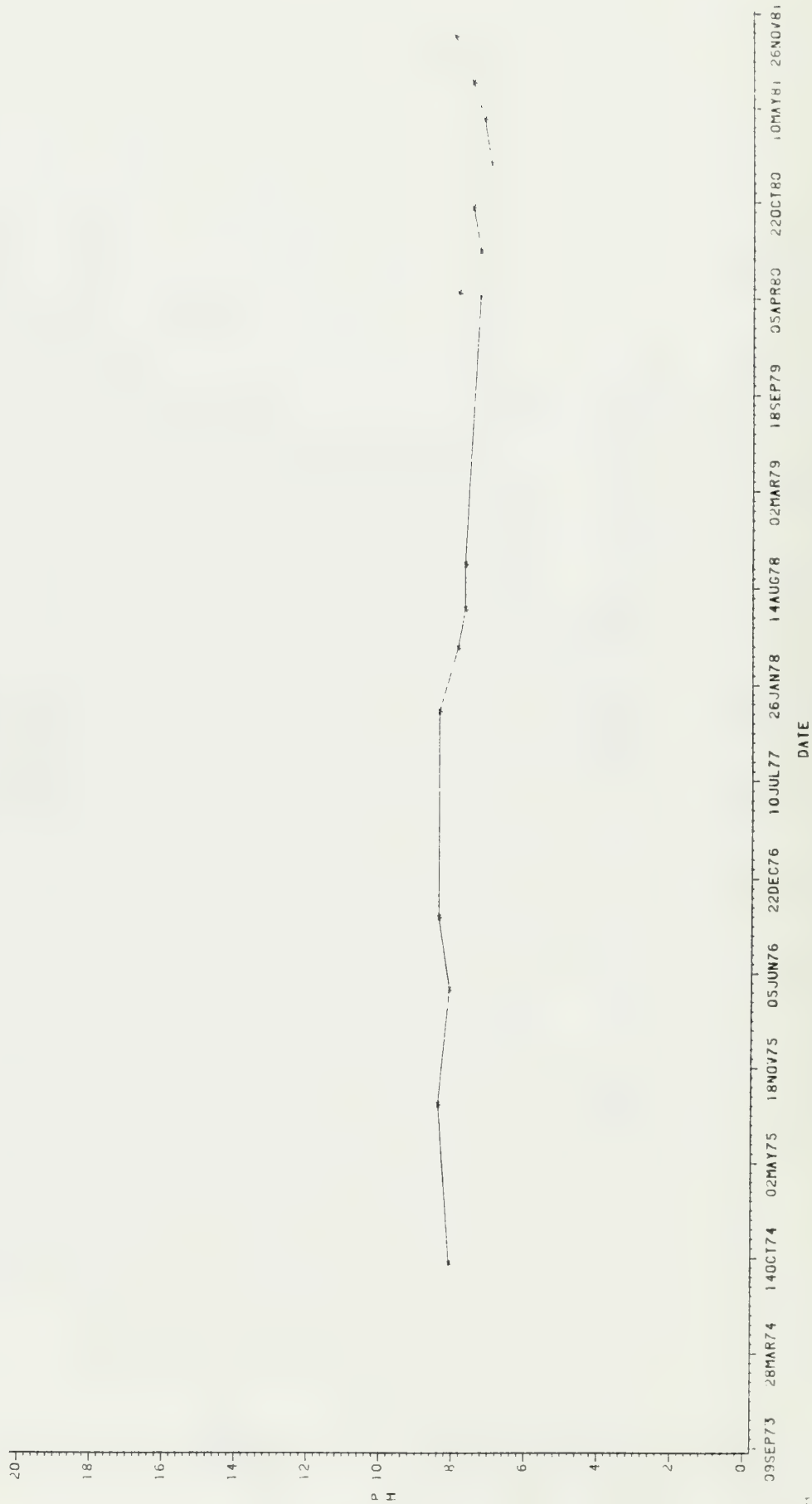
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS06



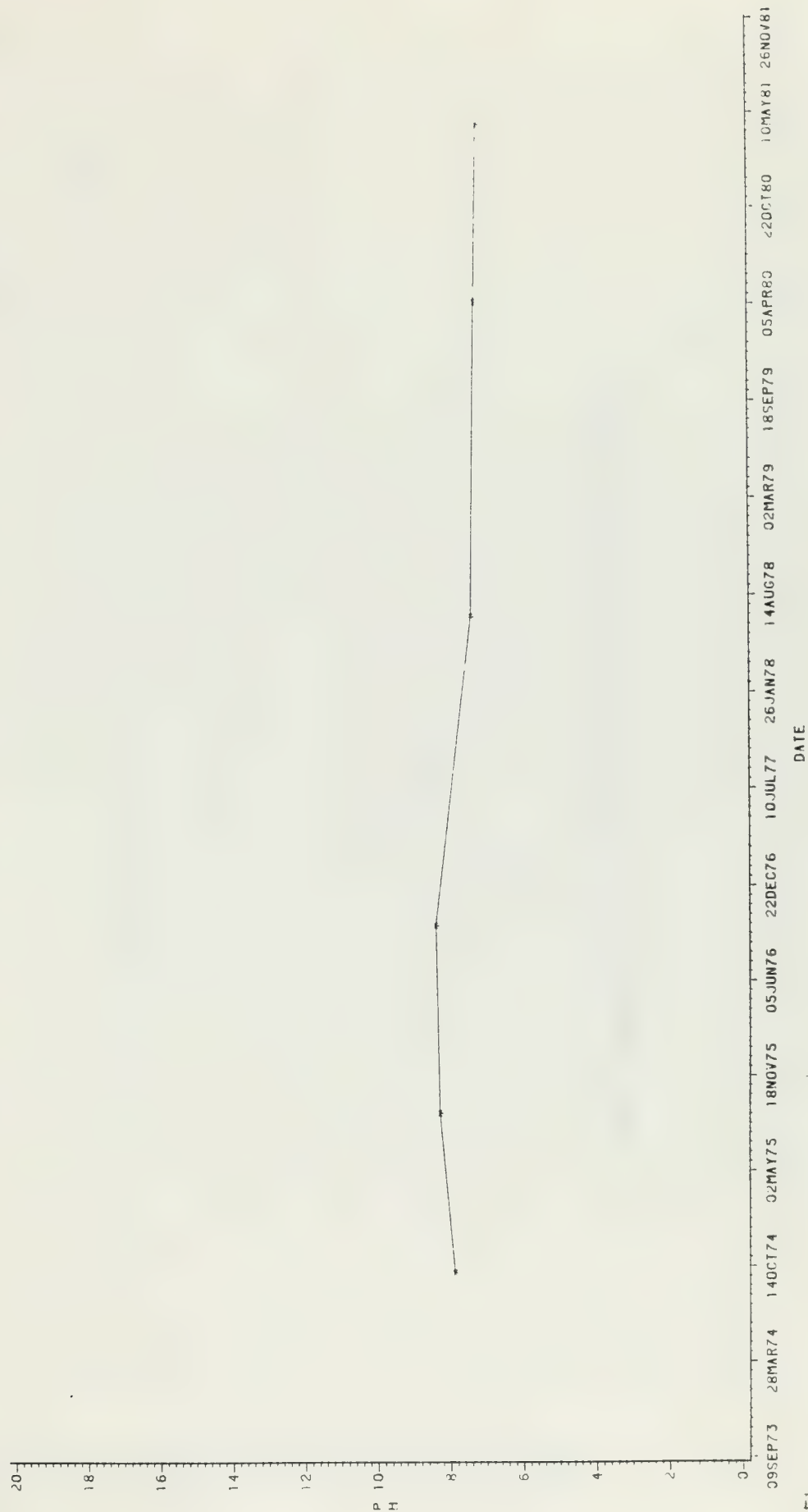
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS07



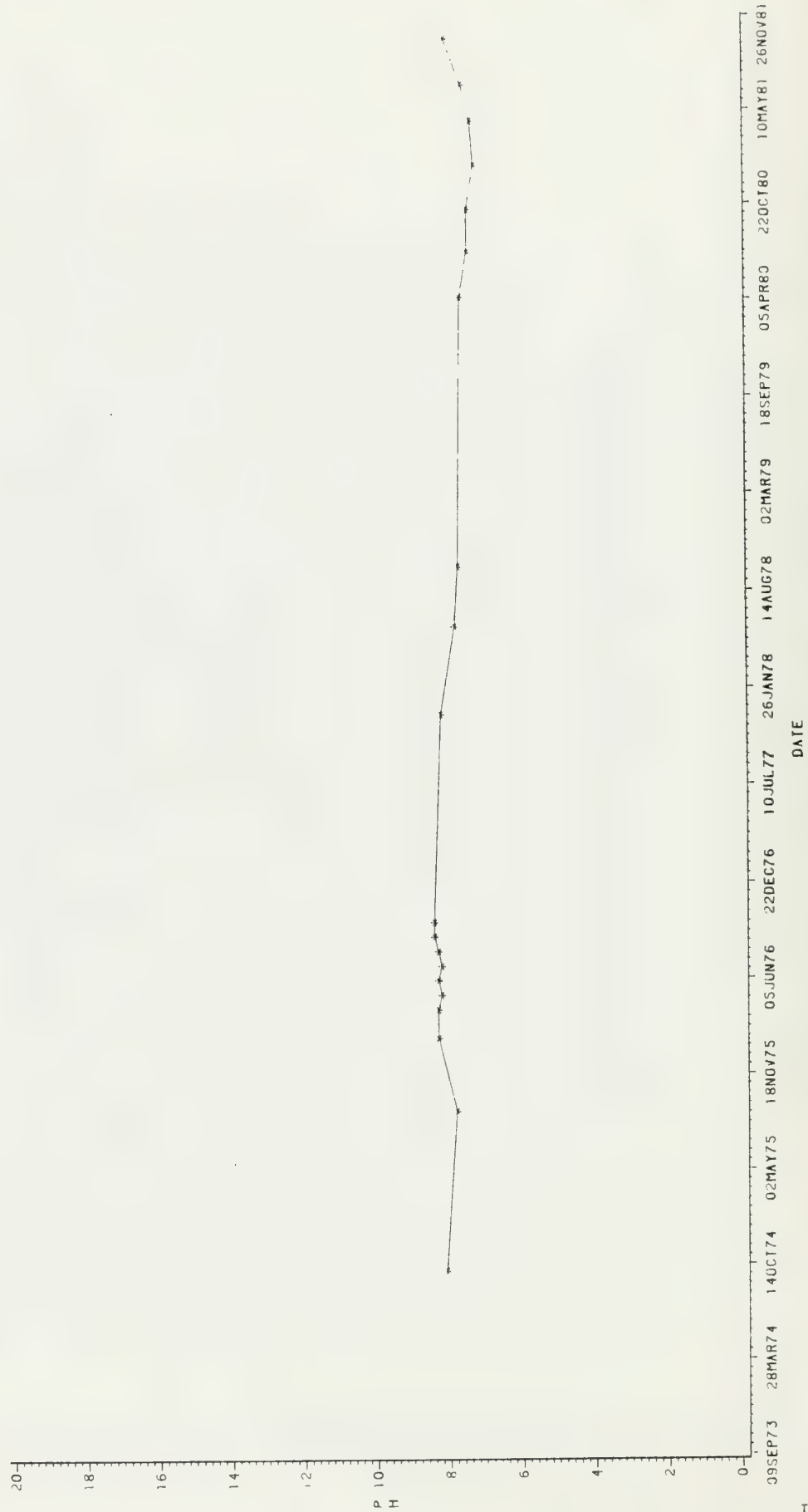
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=MS08



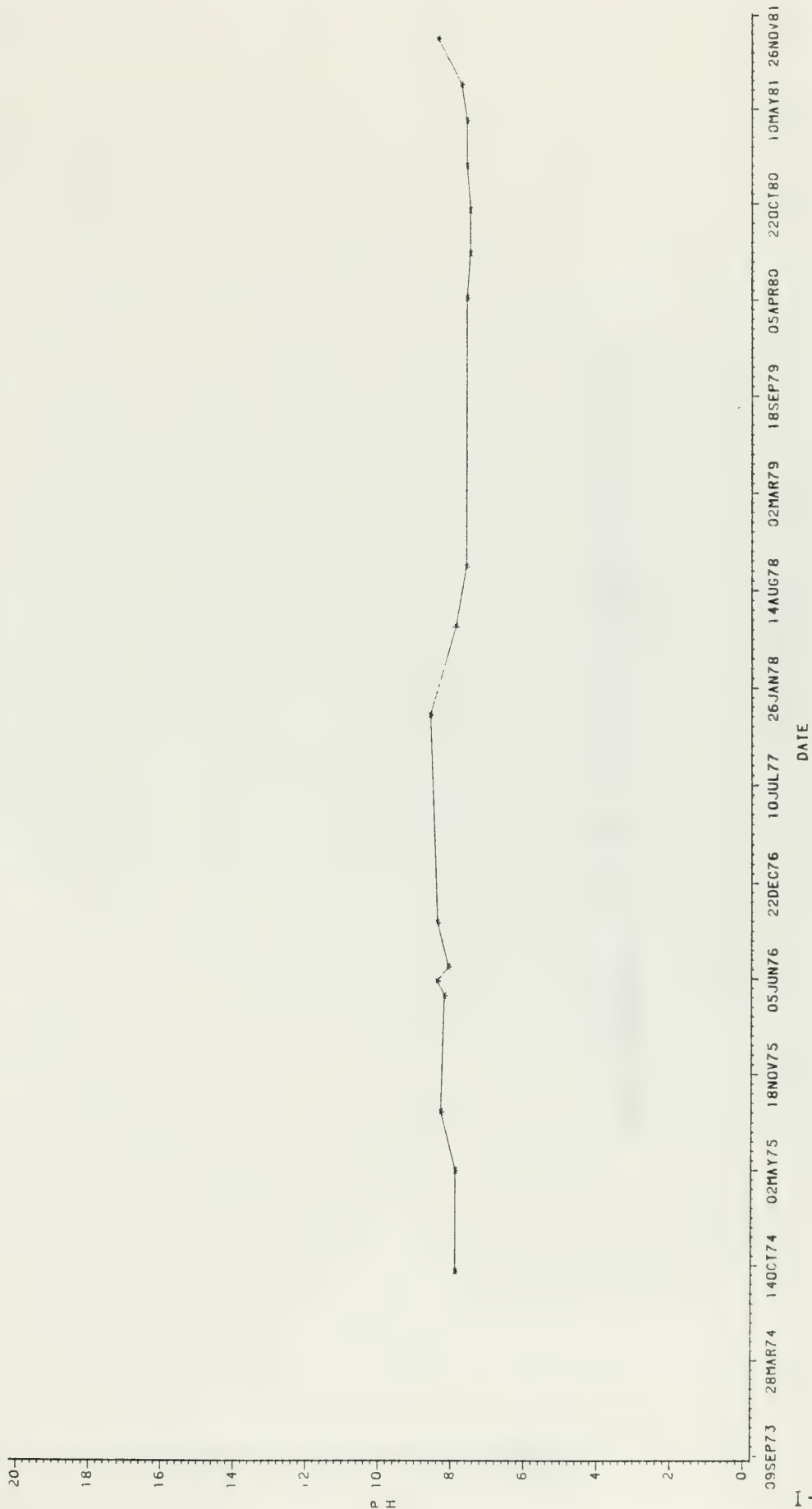
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS09



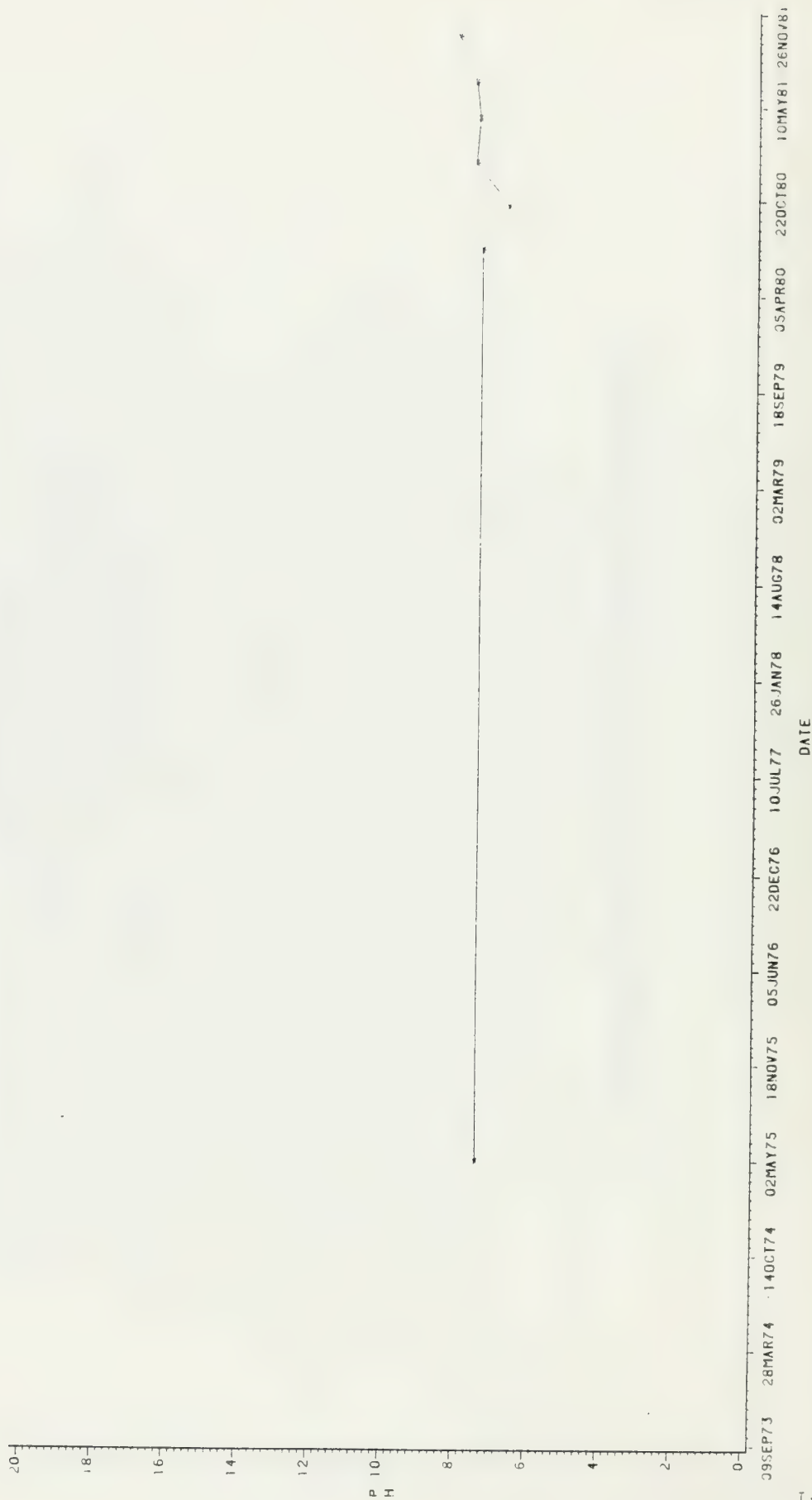
TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS10



TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS11



TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS12



TIME SERIES PLOT OF PH FOR SPRINGS AND SEEPS

LOC=WS36

20
18
16
14
12
10
8
6
4
2
0

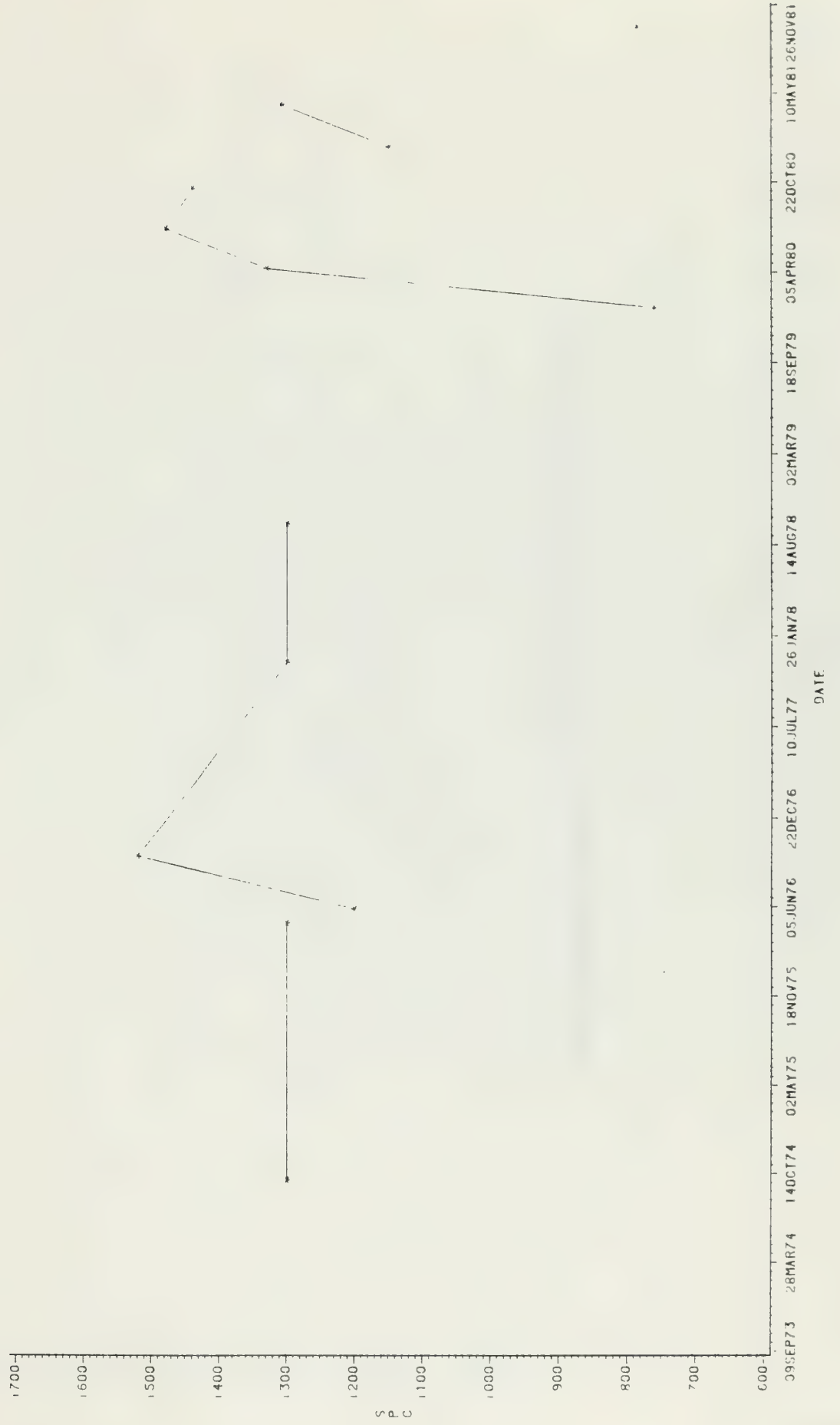
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DATE

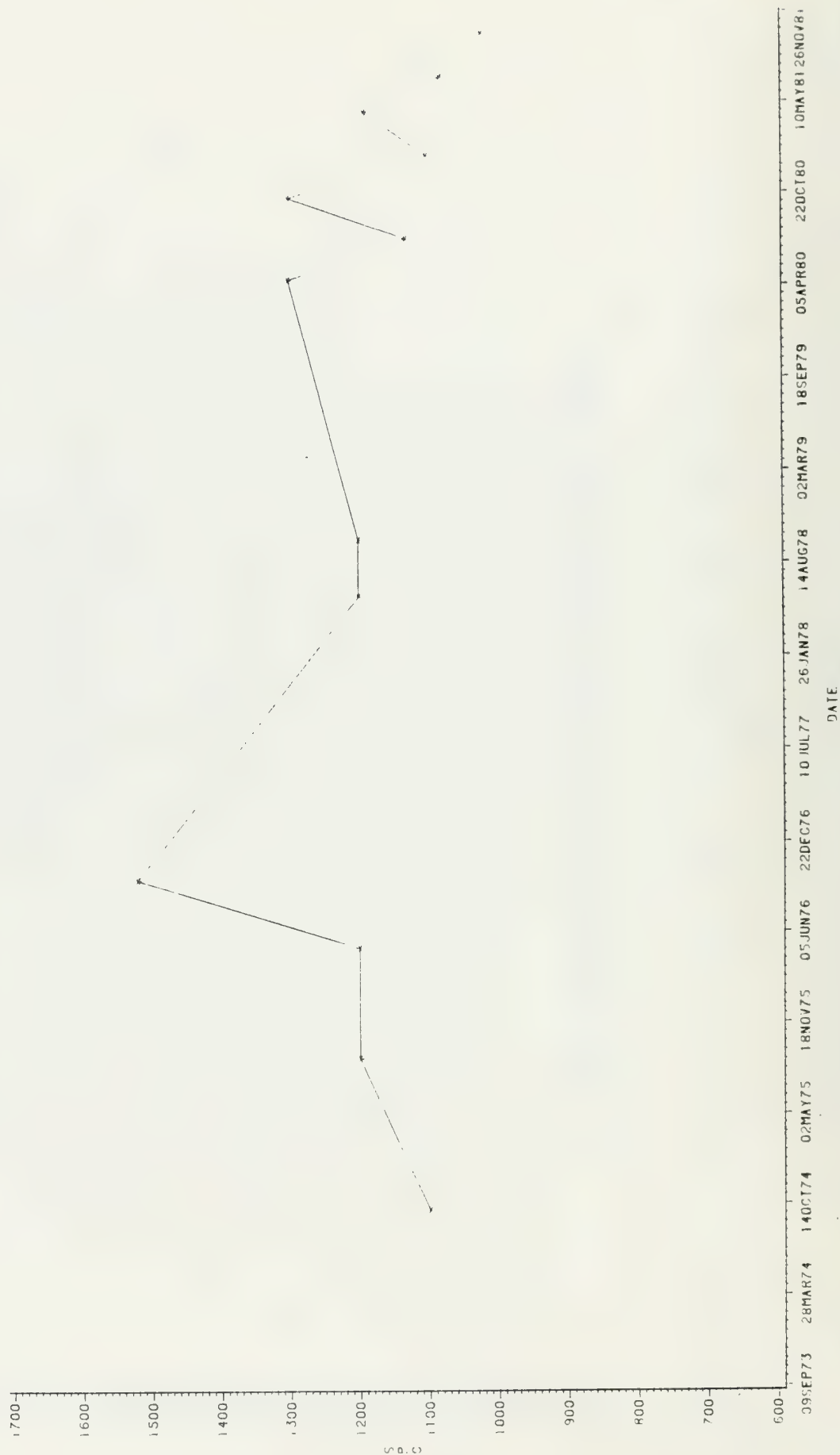
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS01



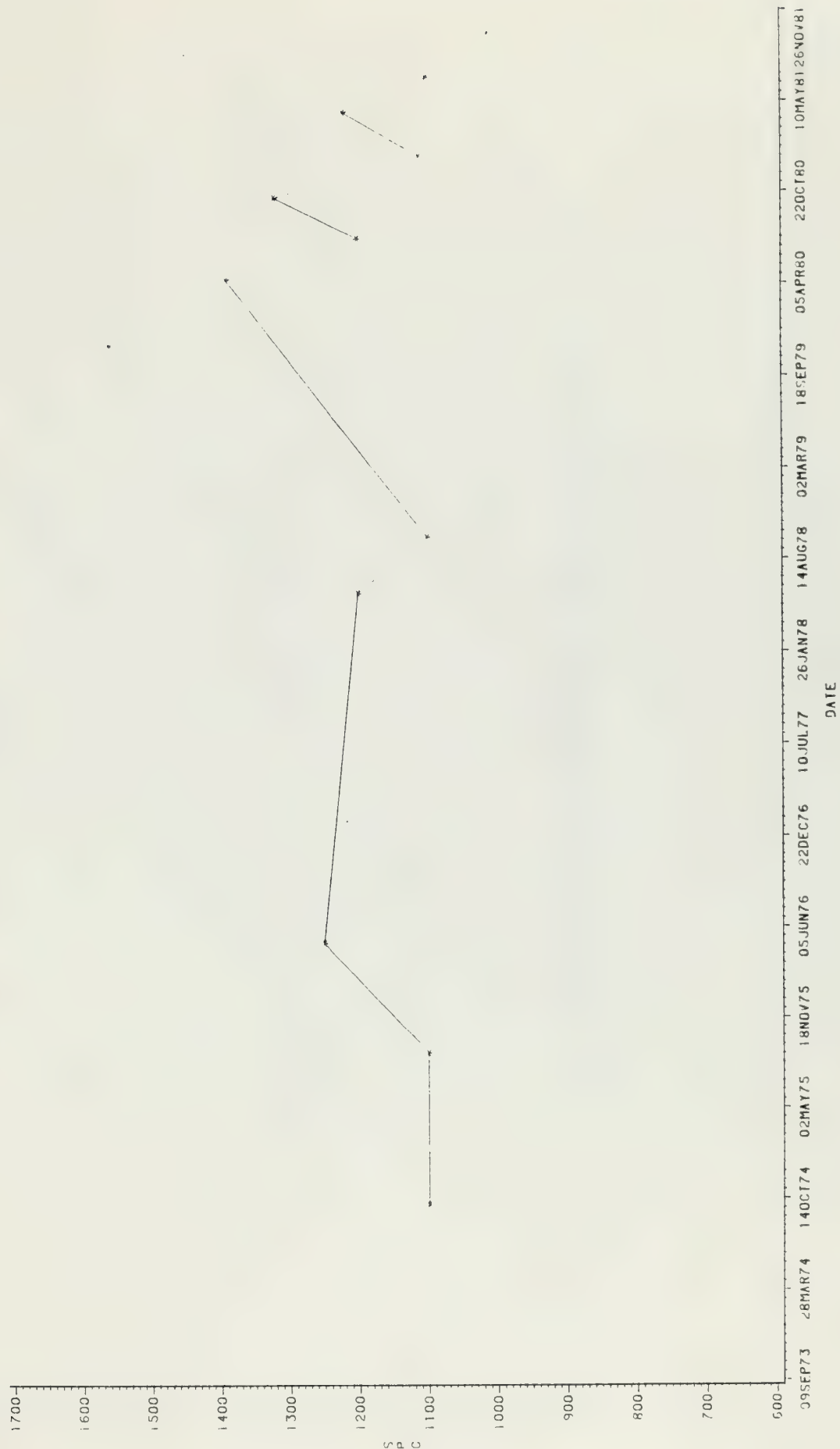
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LQC=MS02



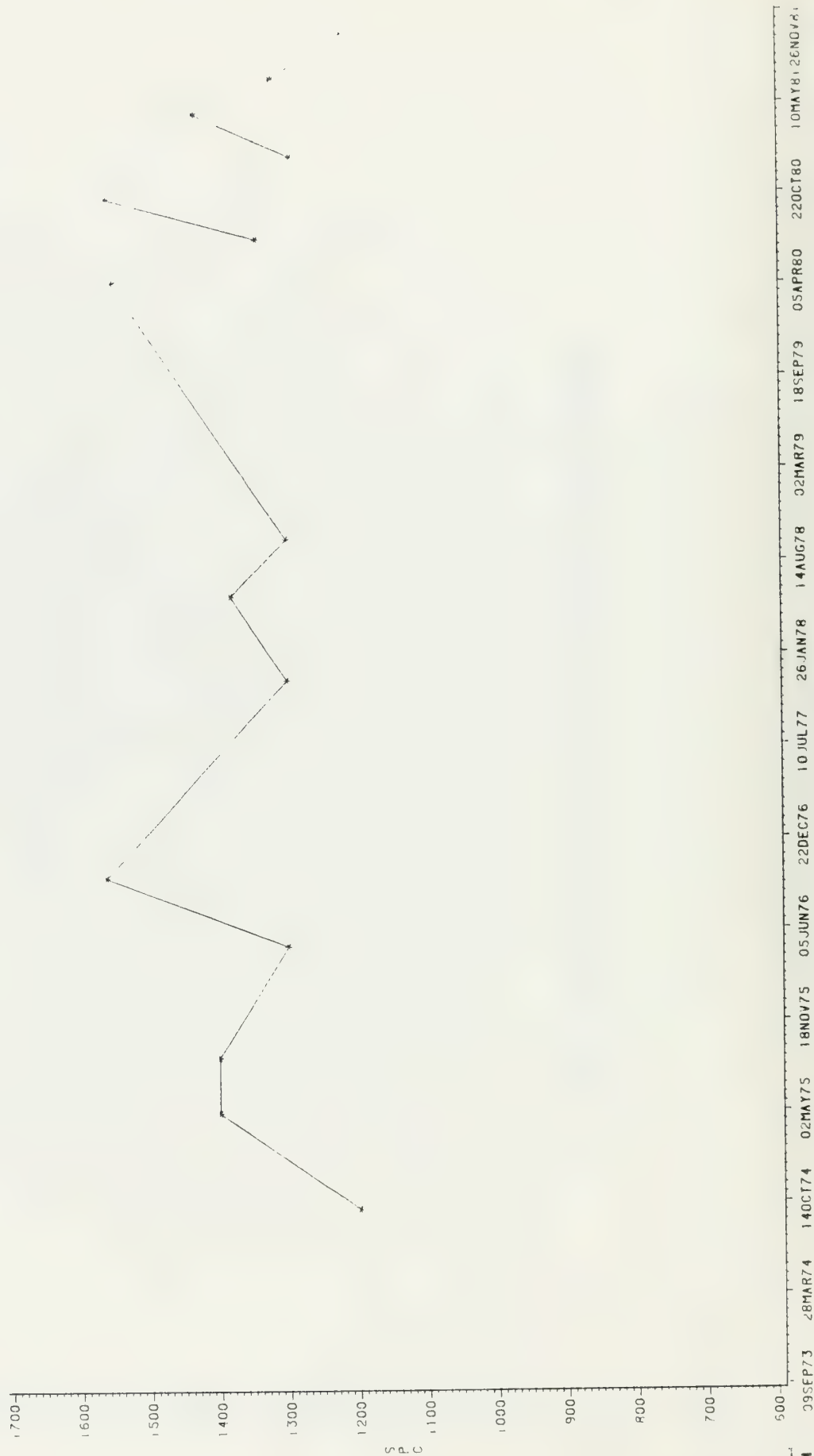
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS04



TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

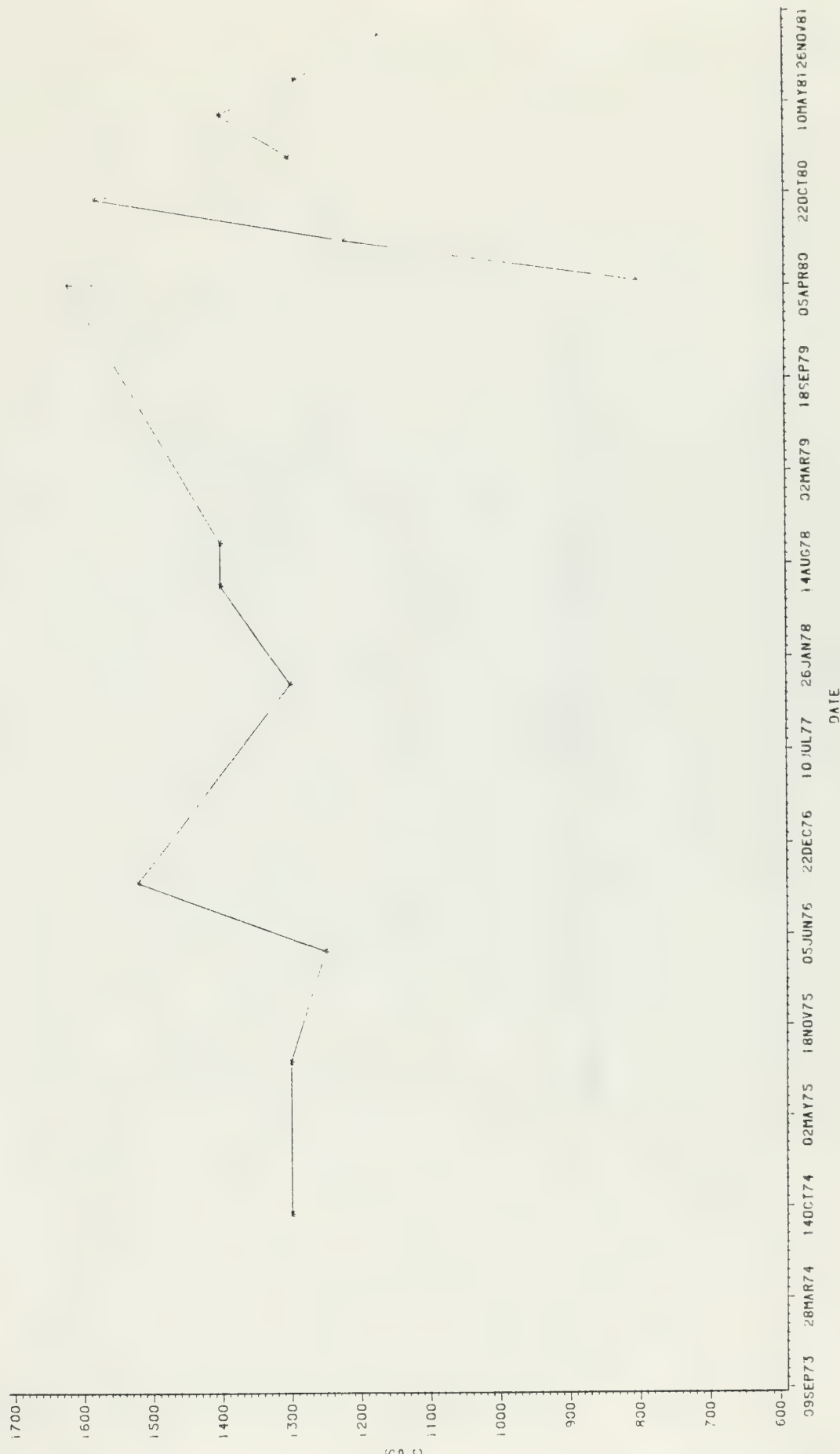
LOC=WS06



DATE

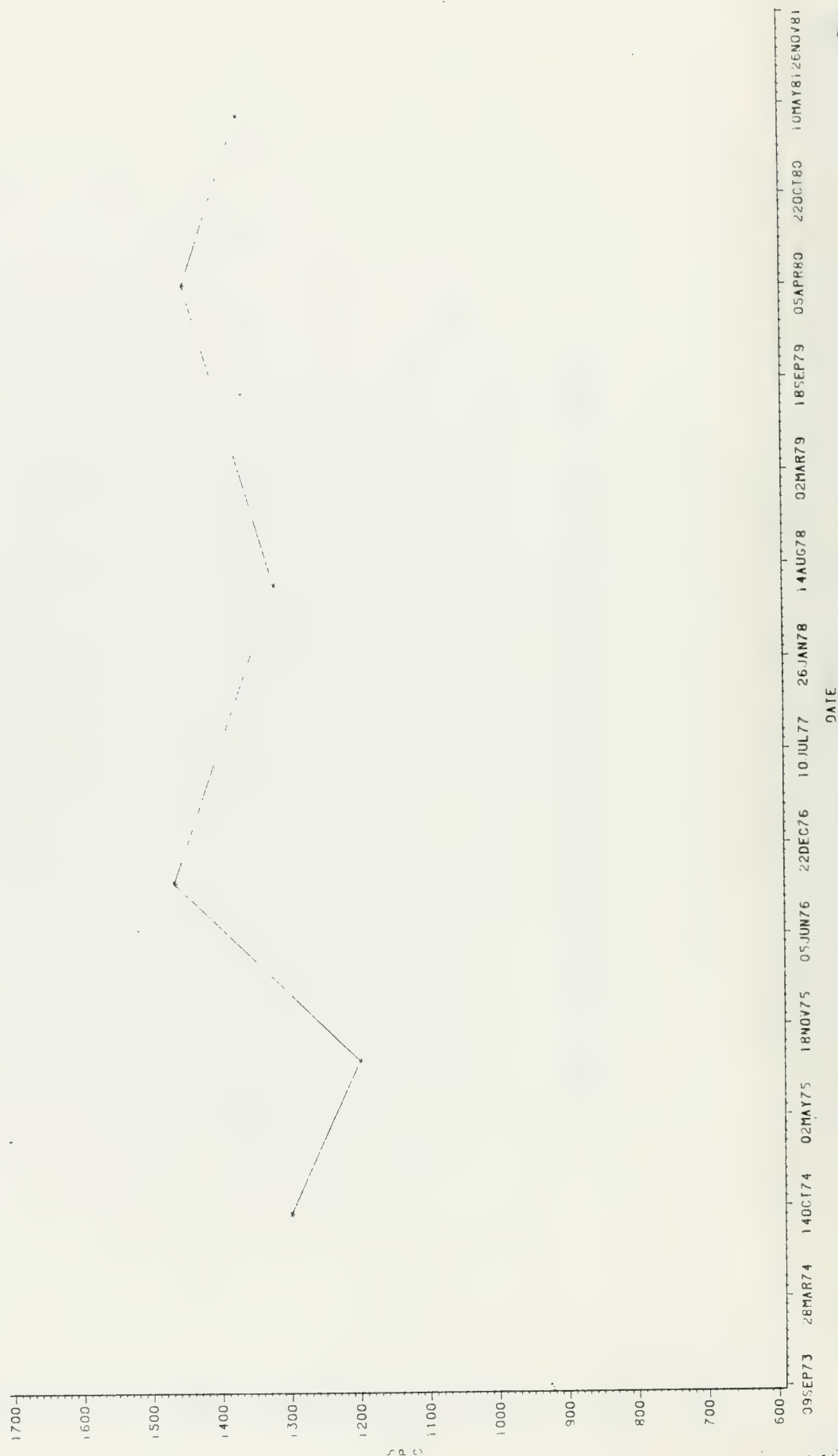
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS07



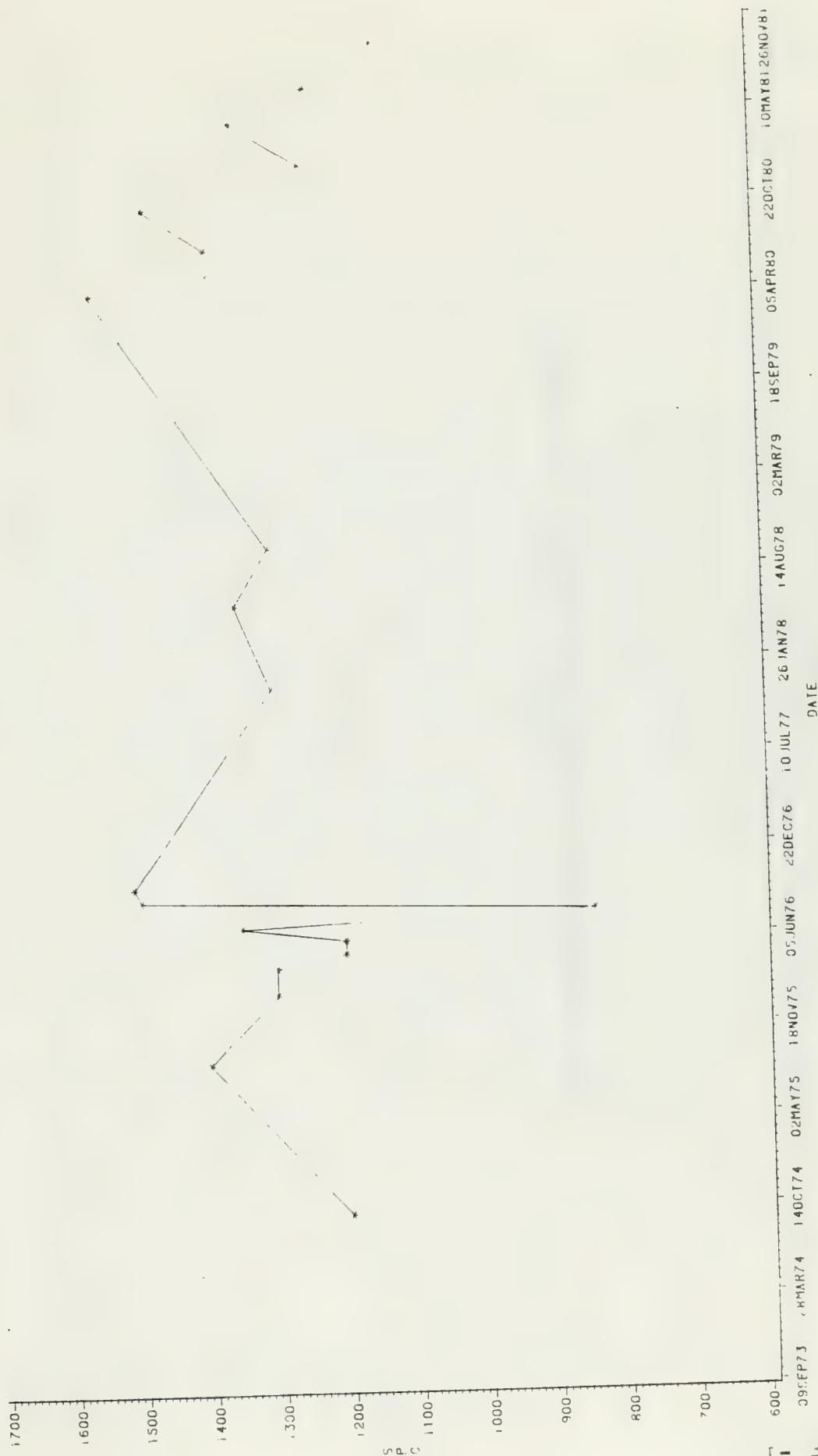
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS08



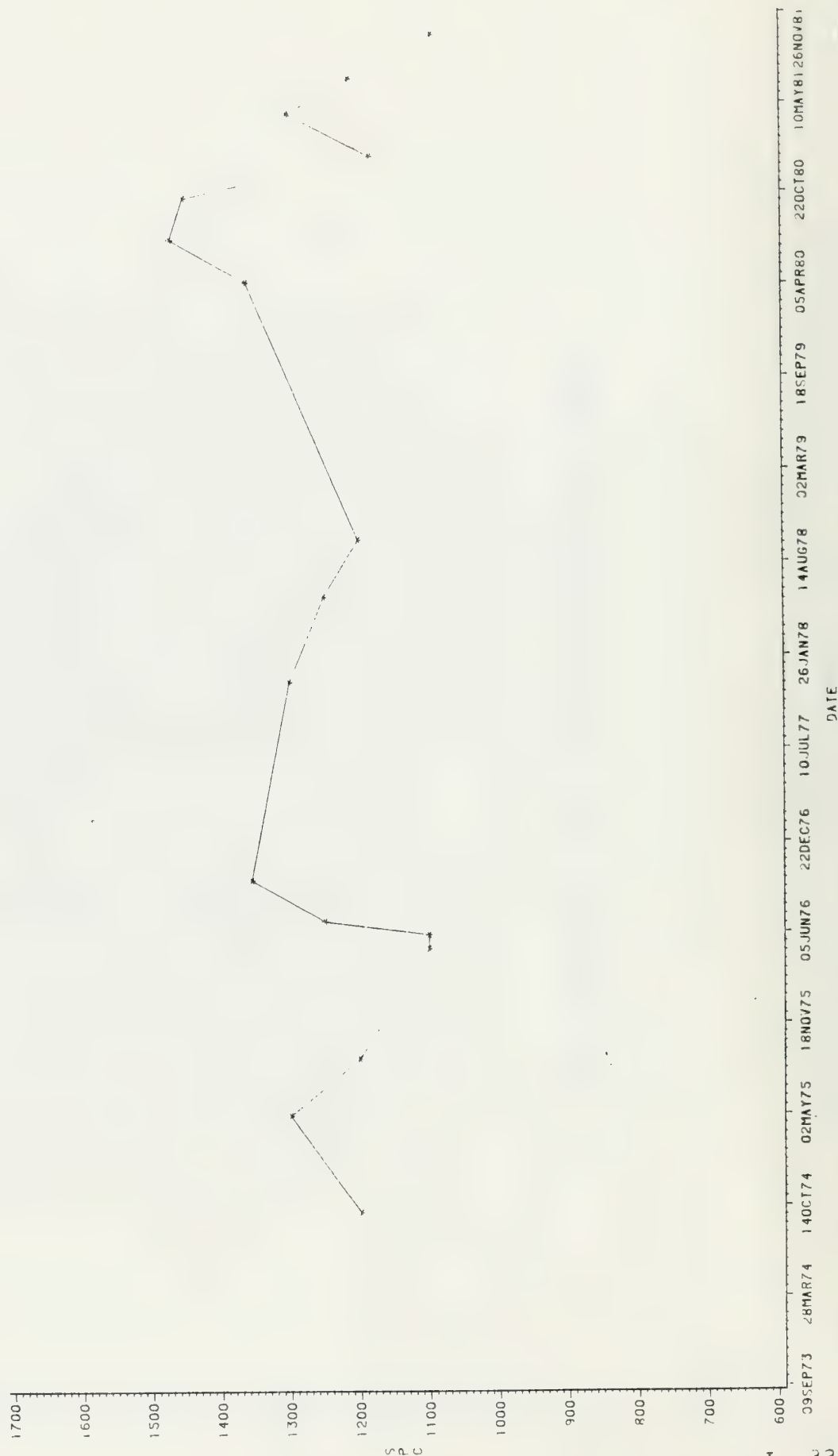
TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=MS09



TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=NS10



TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS11

1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600

SPC

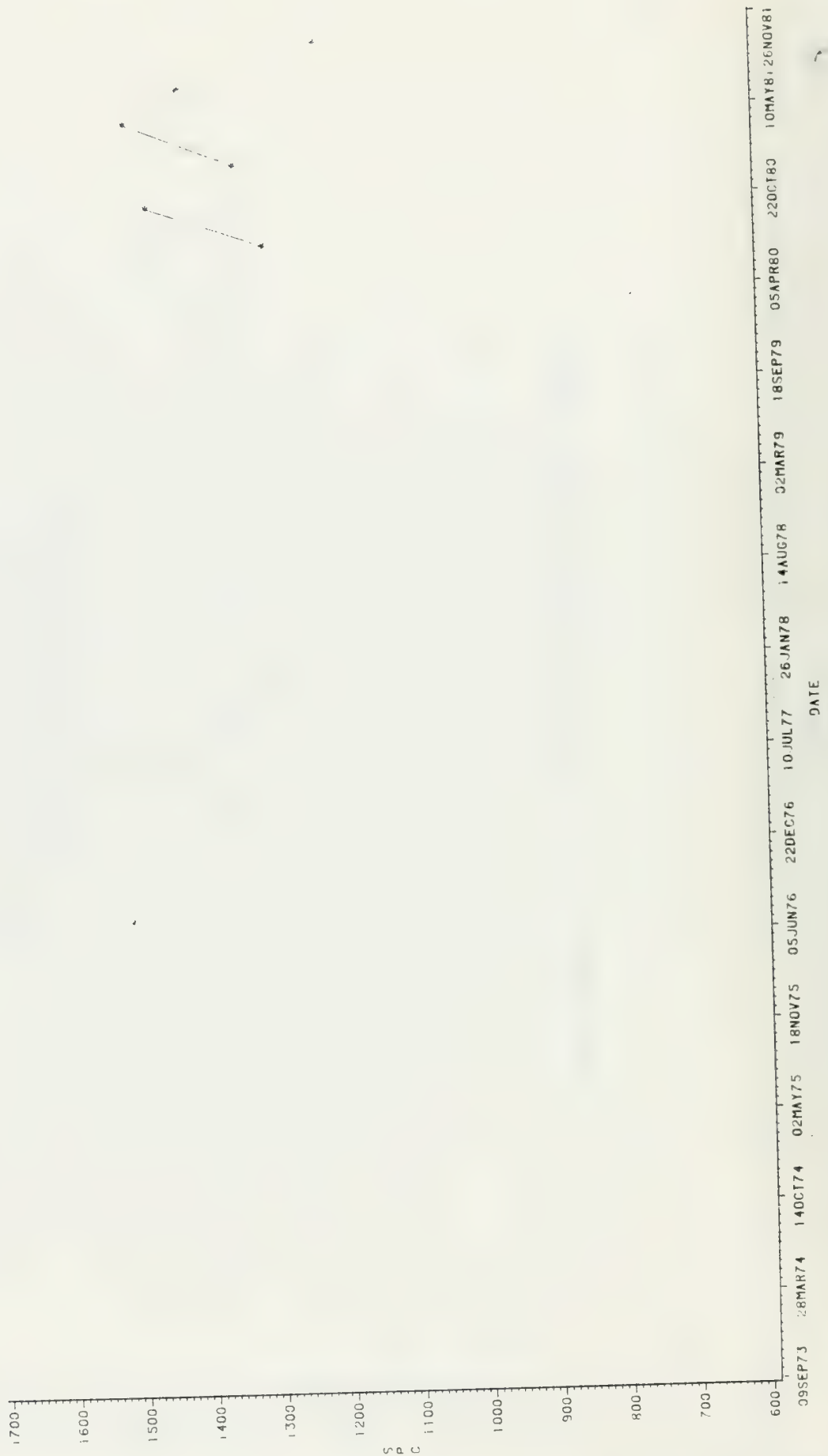


09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS12



TIME SERIES PLOT OF SPC FOR SPRINGS AND SEEPS

LOC=WS36

1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600

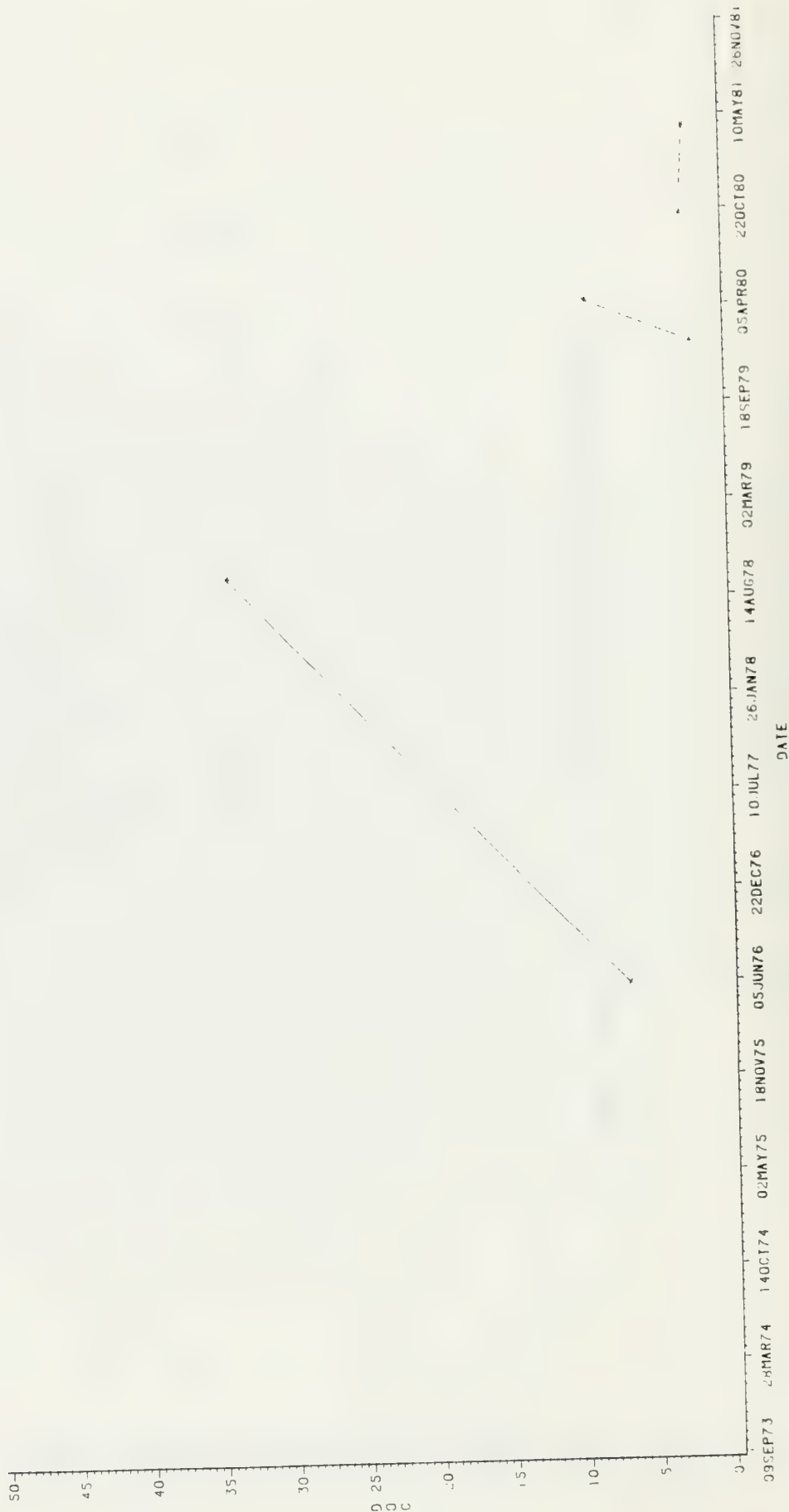
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09SEP73 28MAR74 14OCT74 02MAY75 16NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

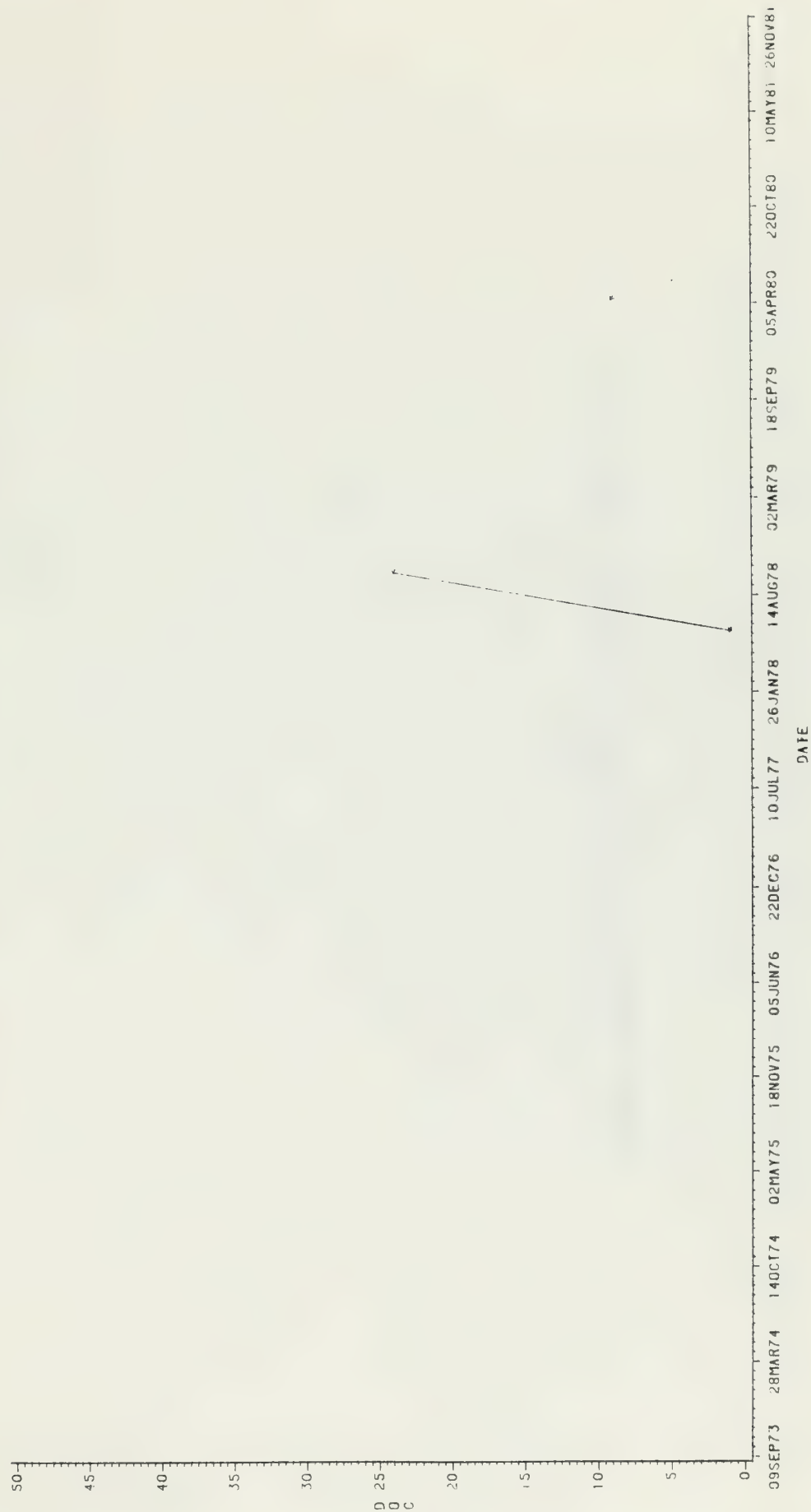
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=MS01



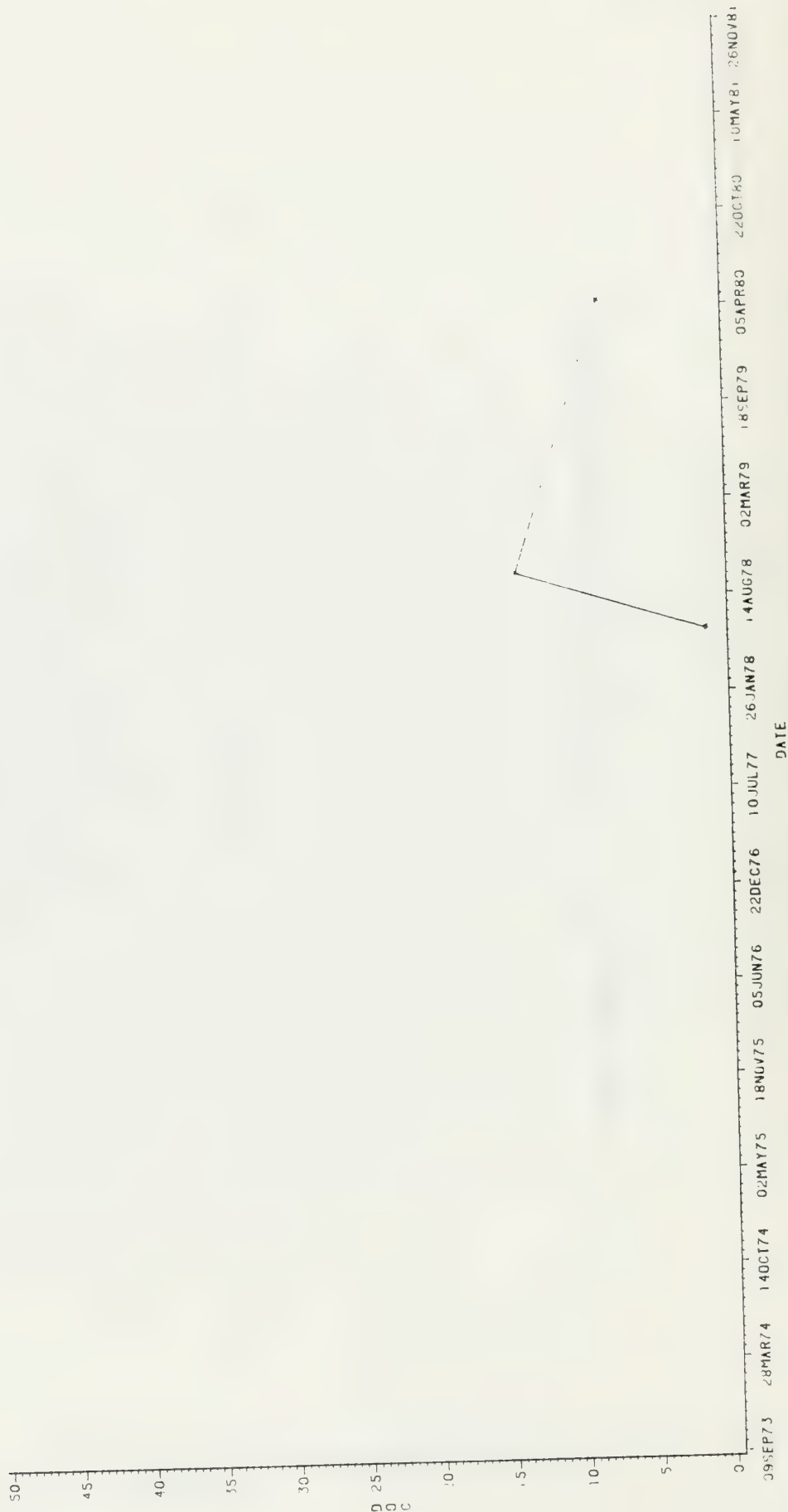
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LOC=WS02



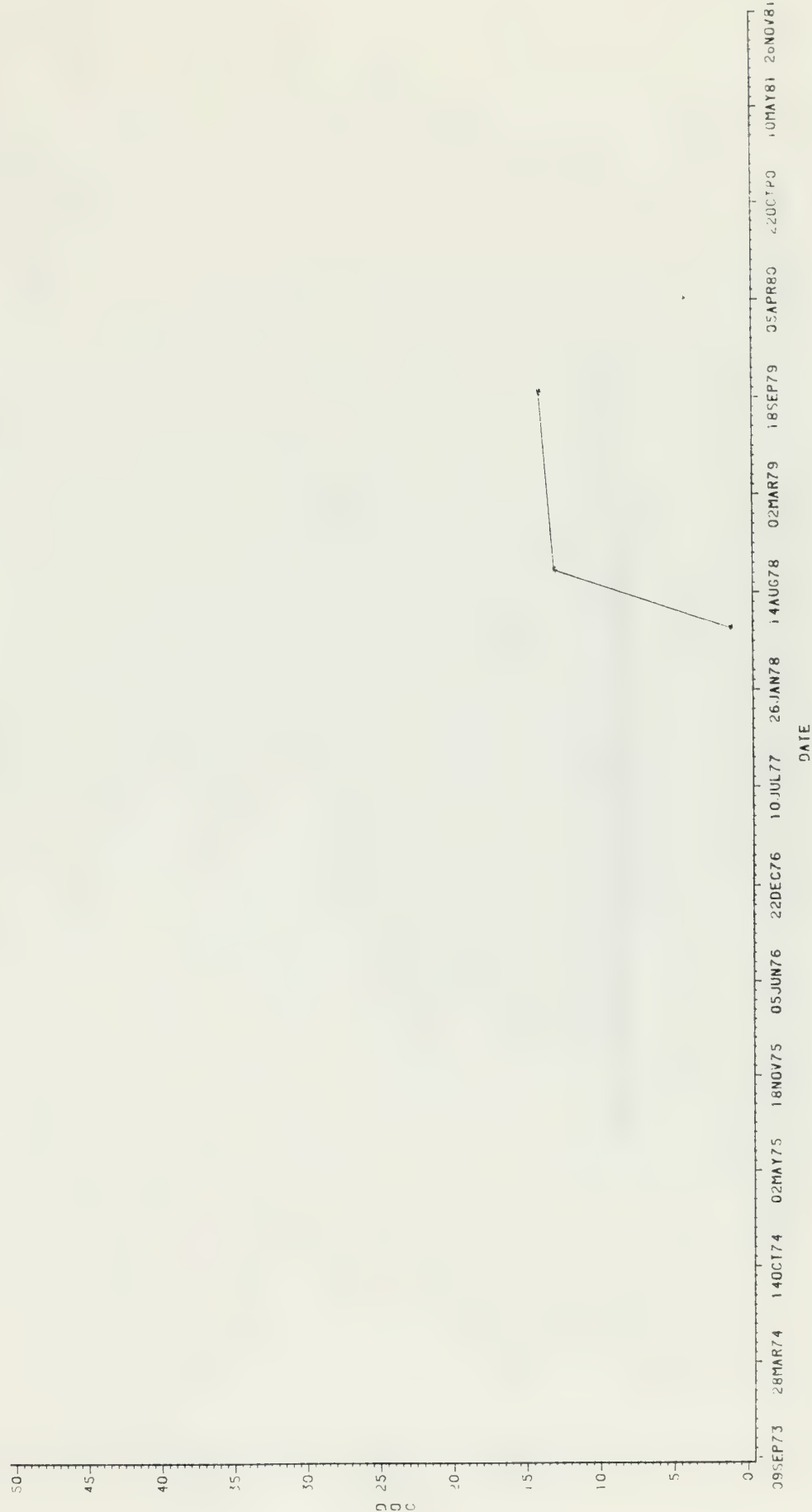
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

L0C=WS04



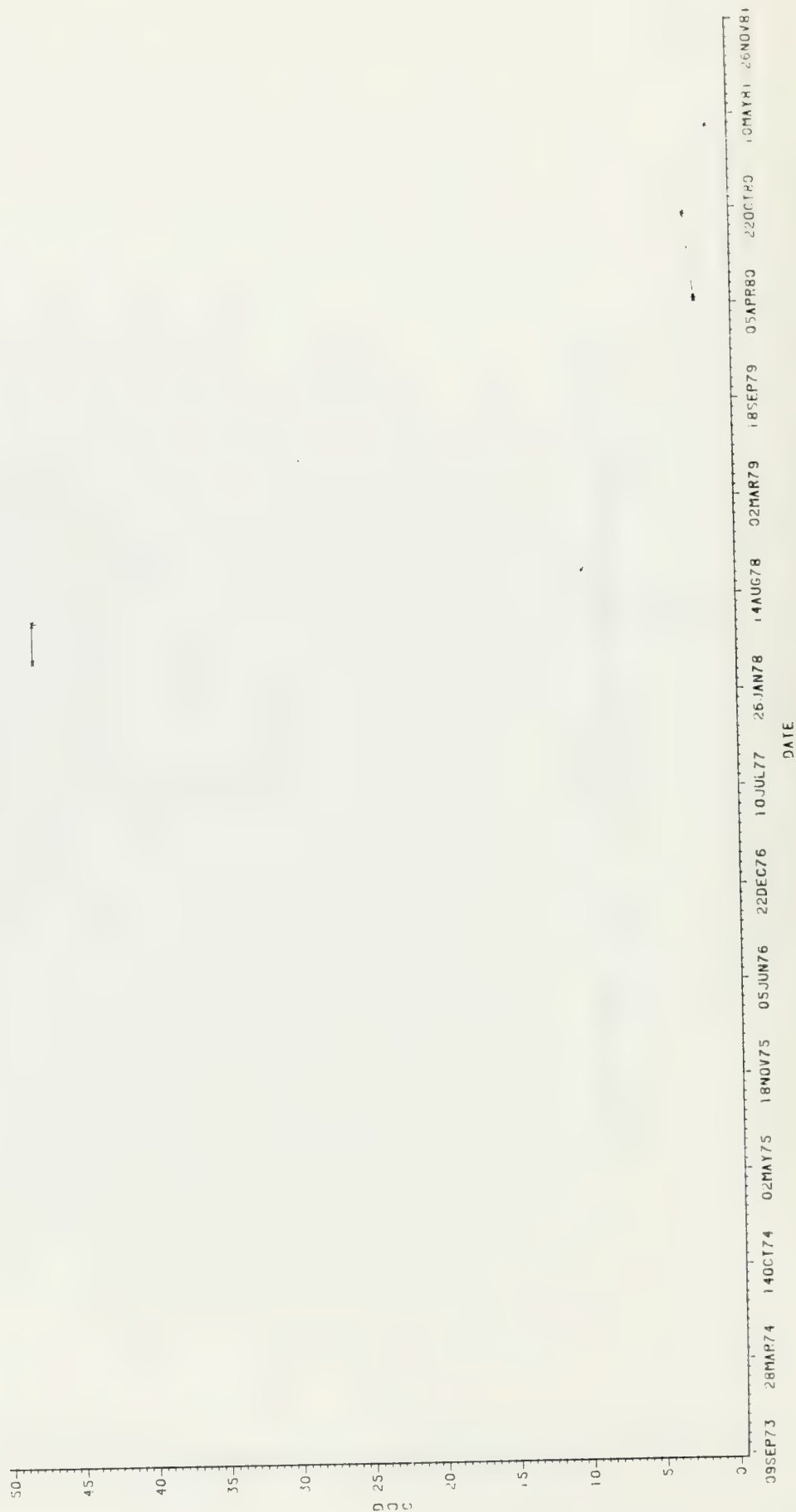
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS06



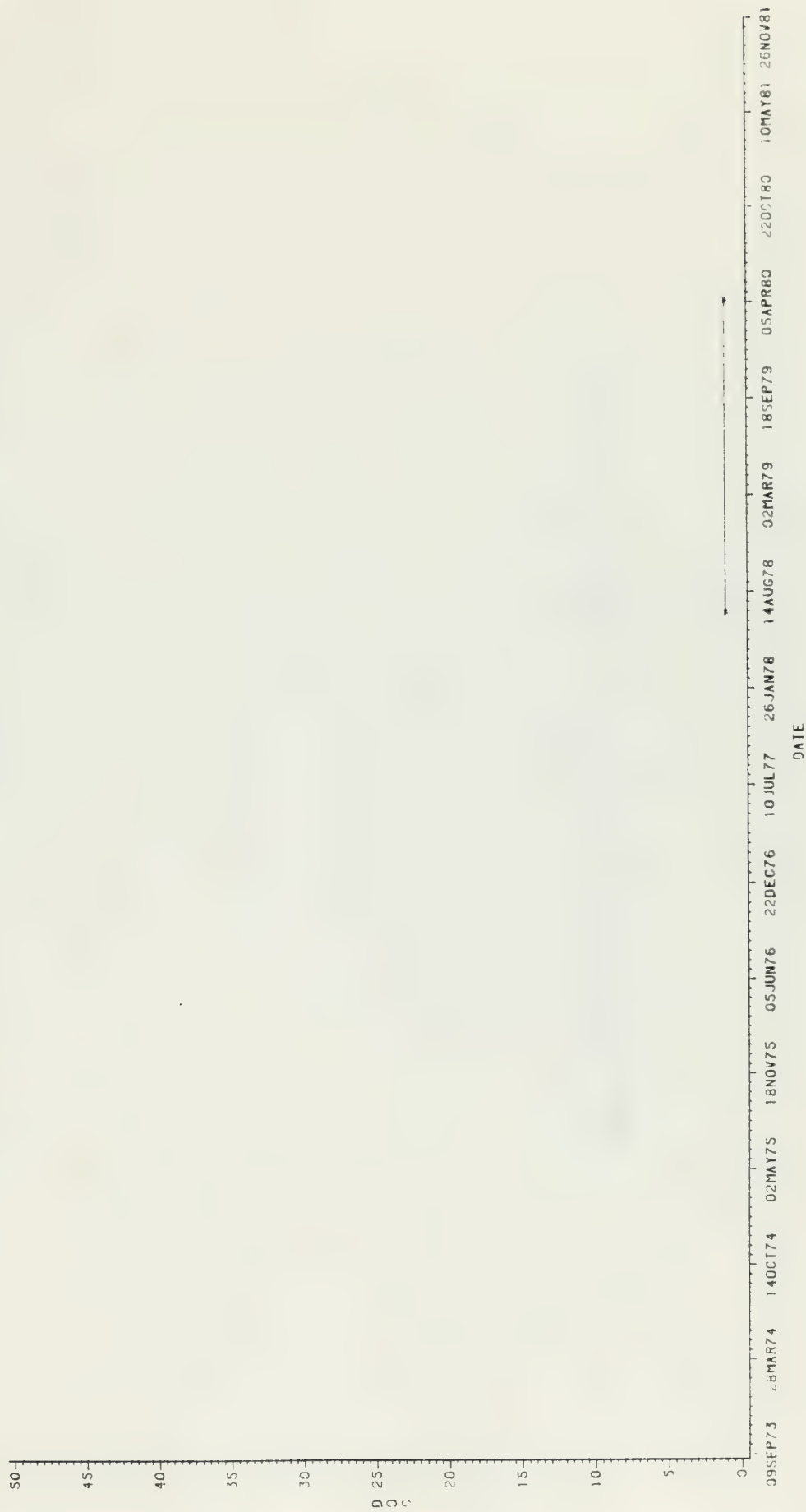
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS07



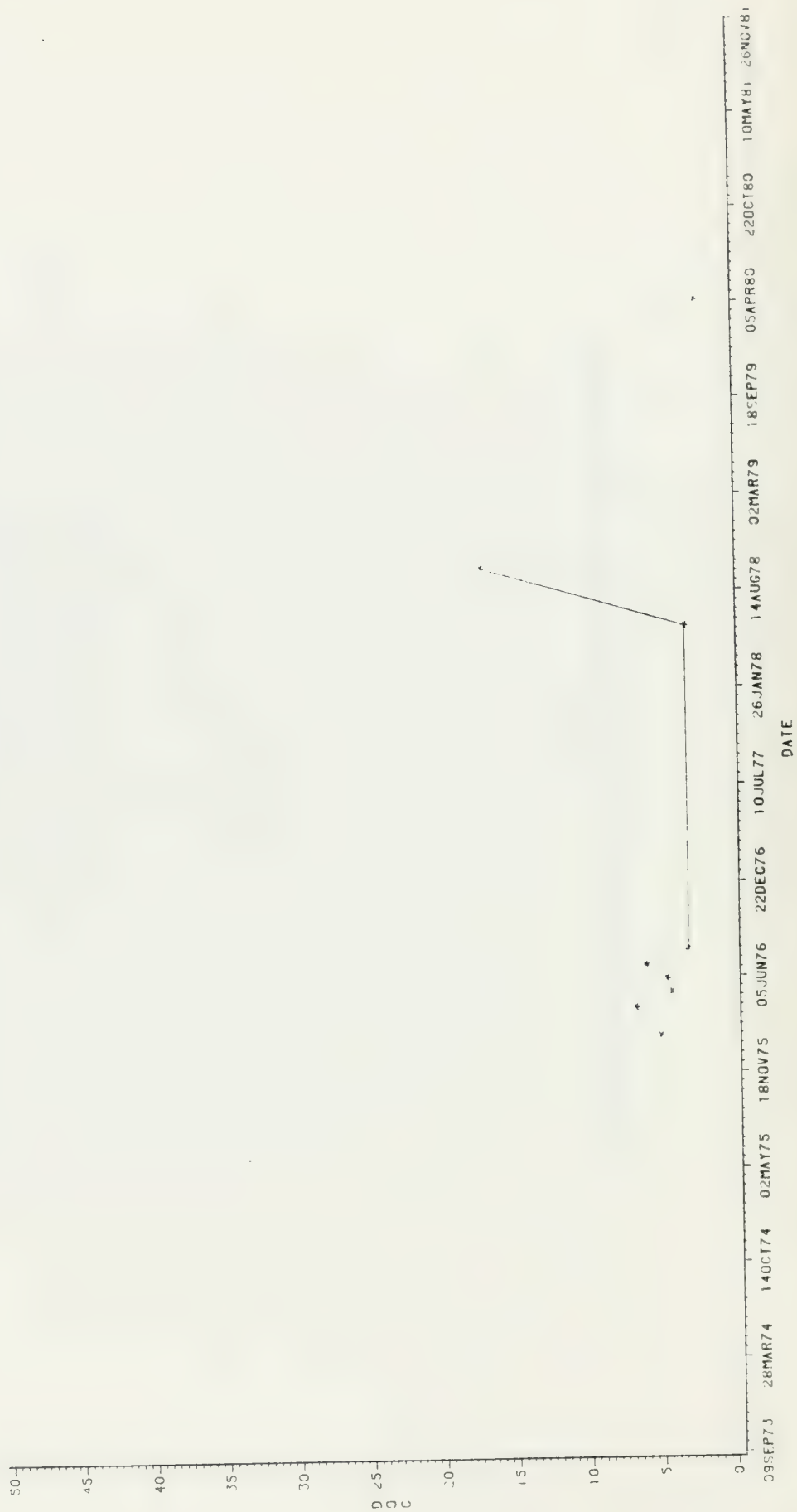
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS08



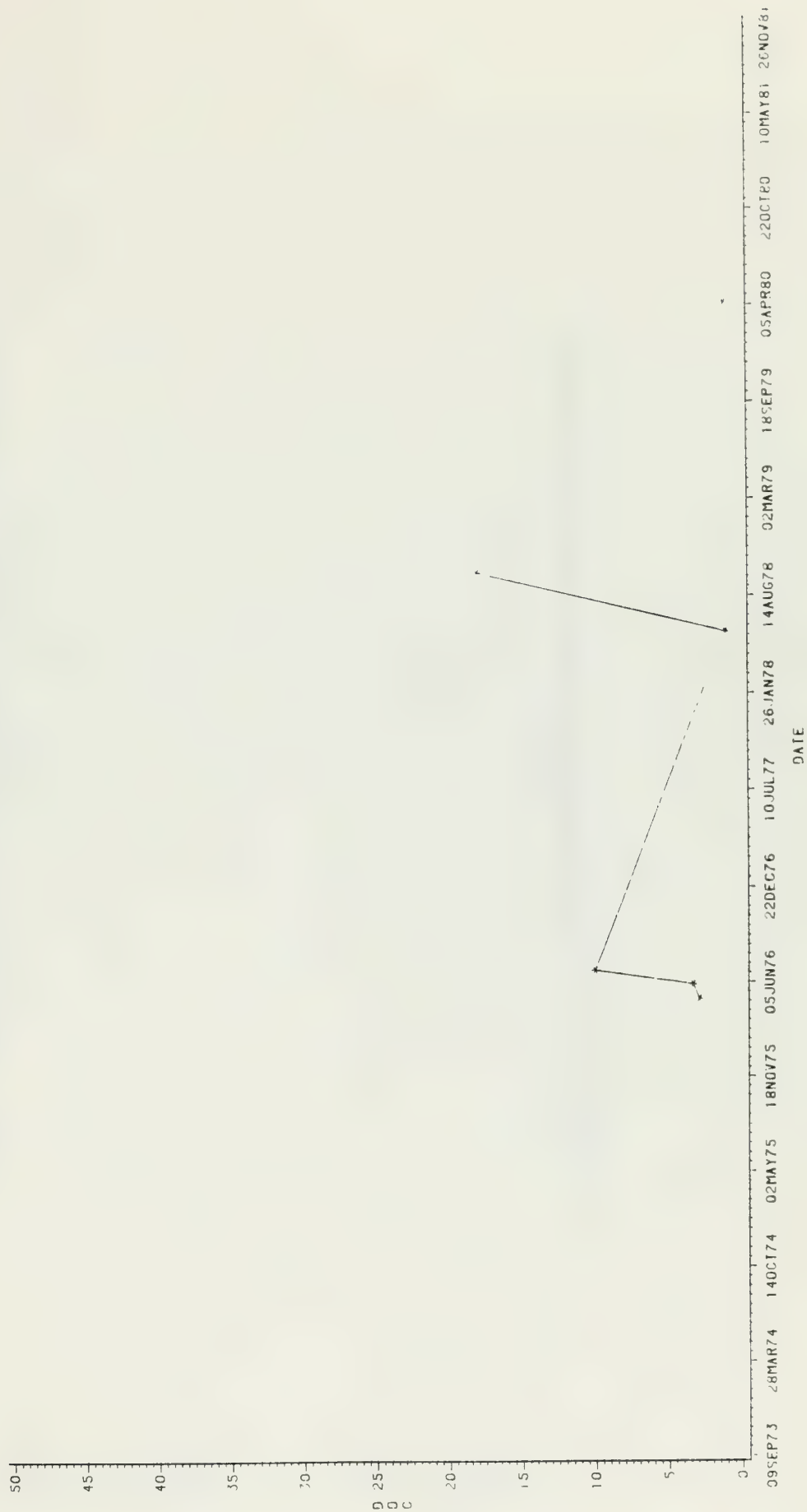
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS09



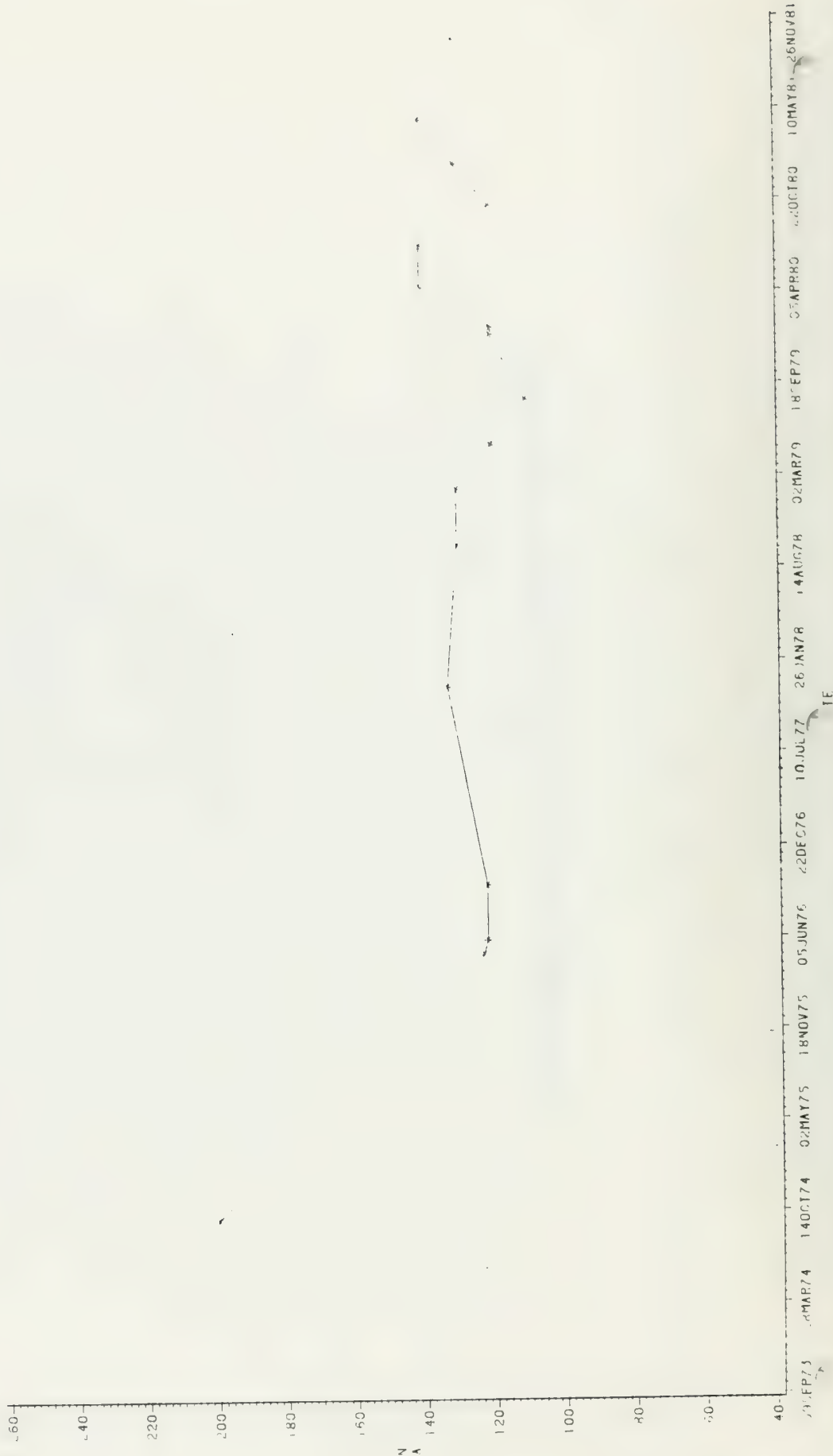
TIME SERIES PLOT OF DOC FOR SPRINGS AND SEEPS

LOC=WS10



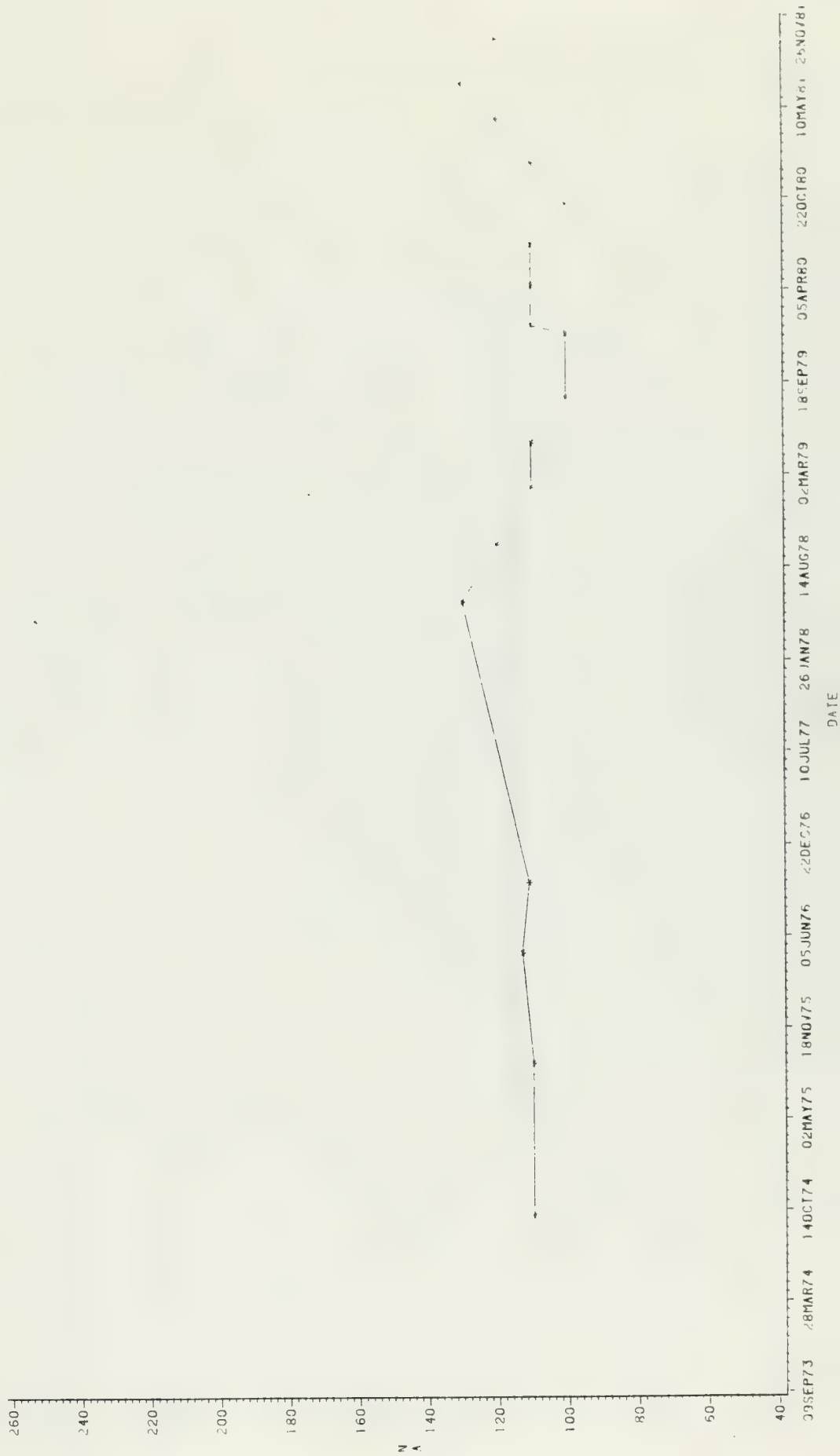
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS01



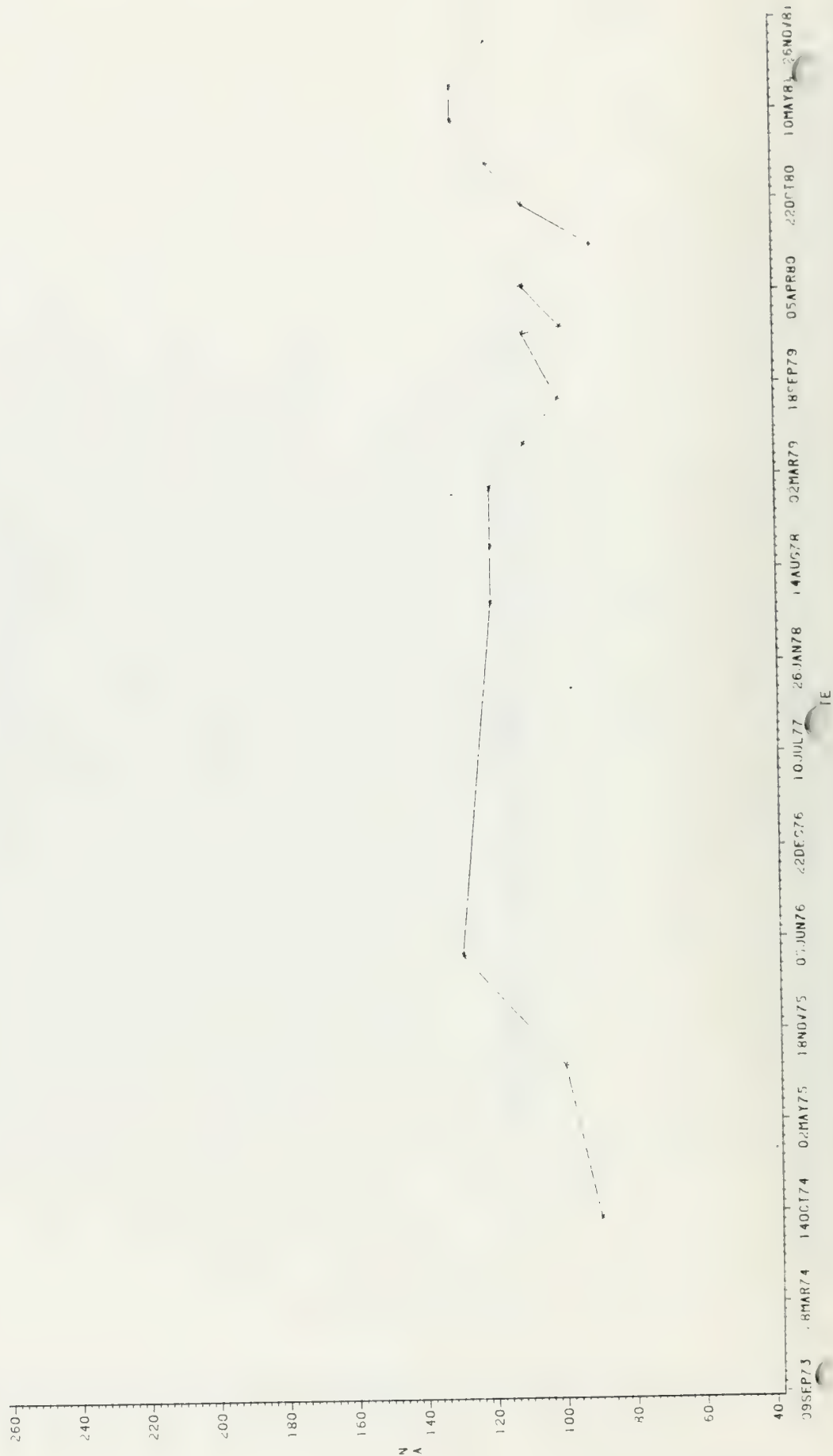
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS02



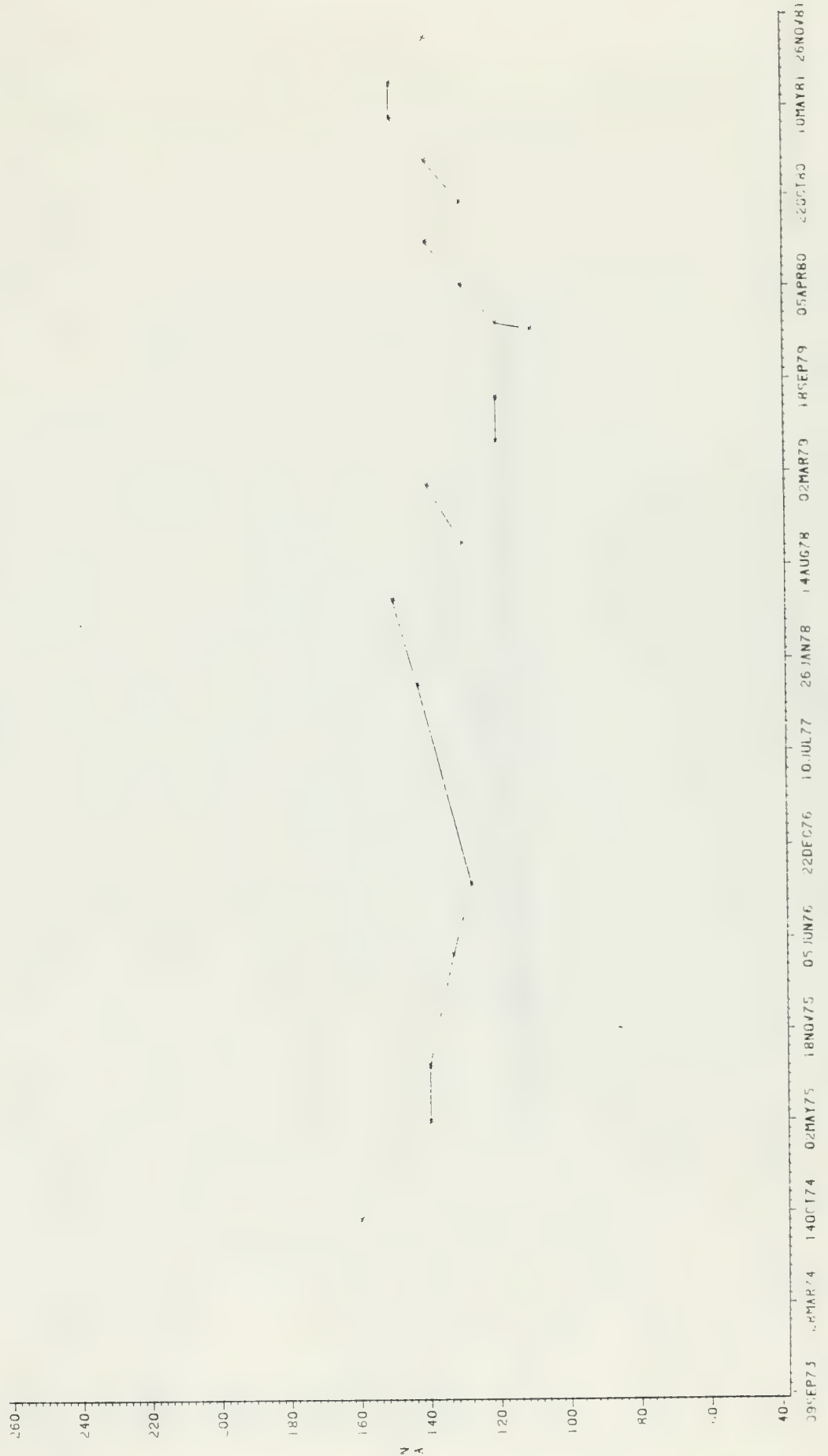
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS04



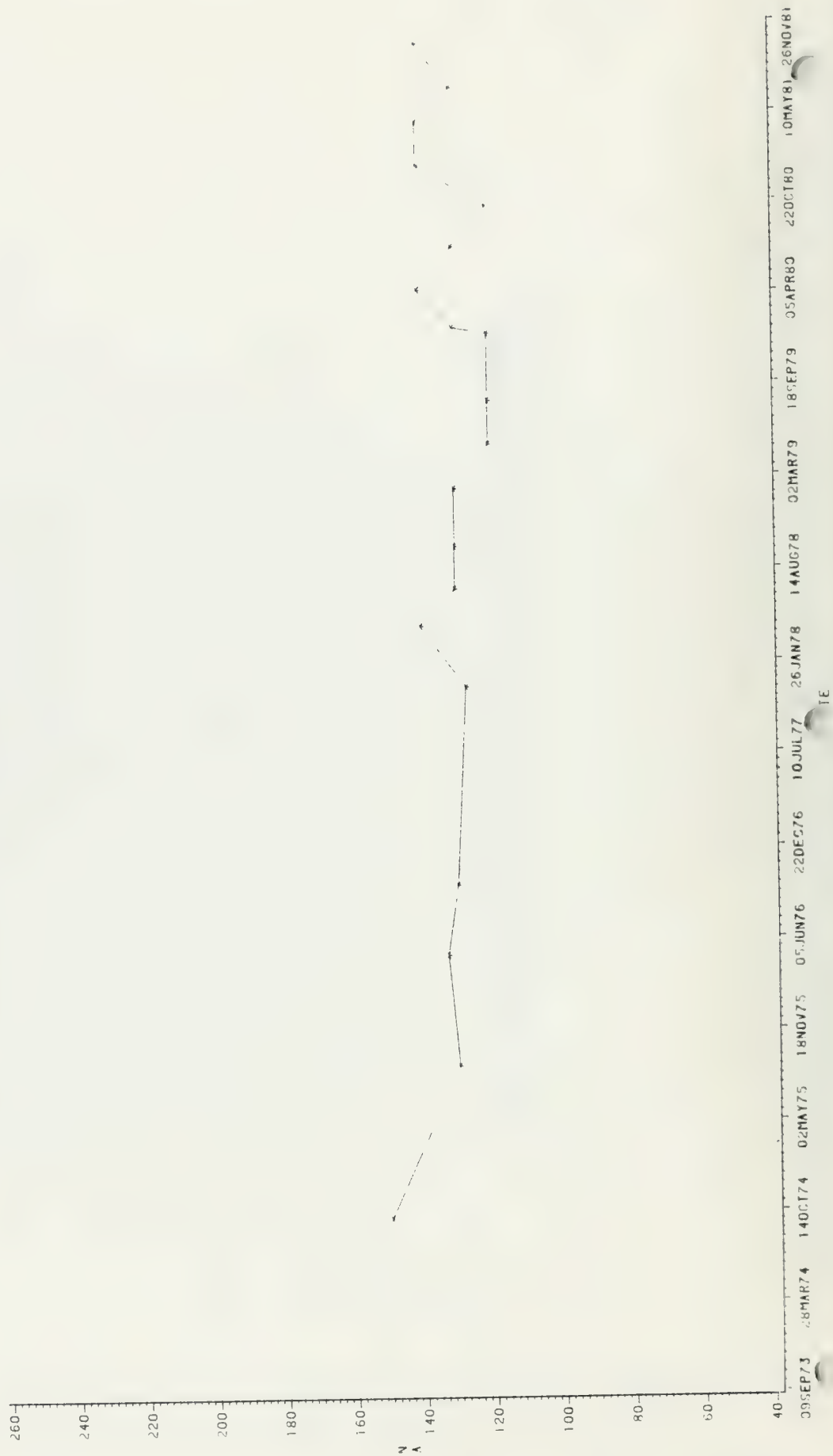
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS06



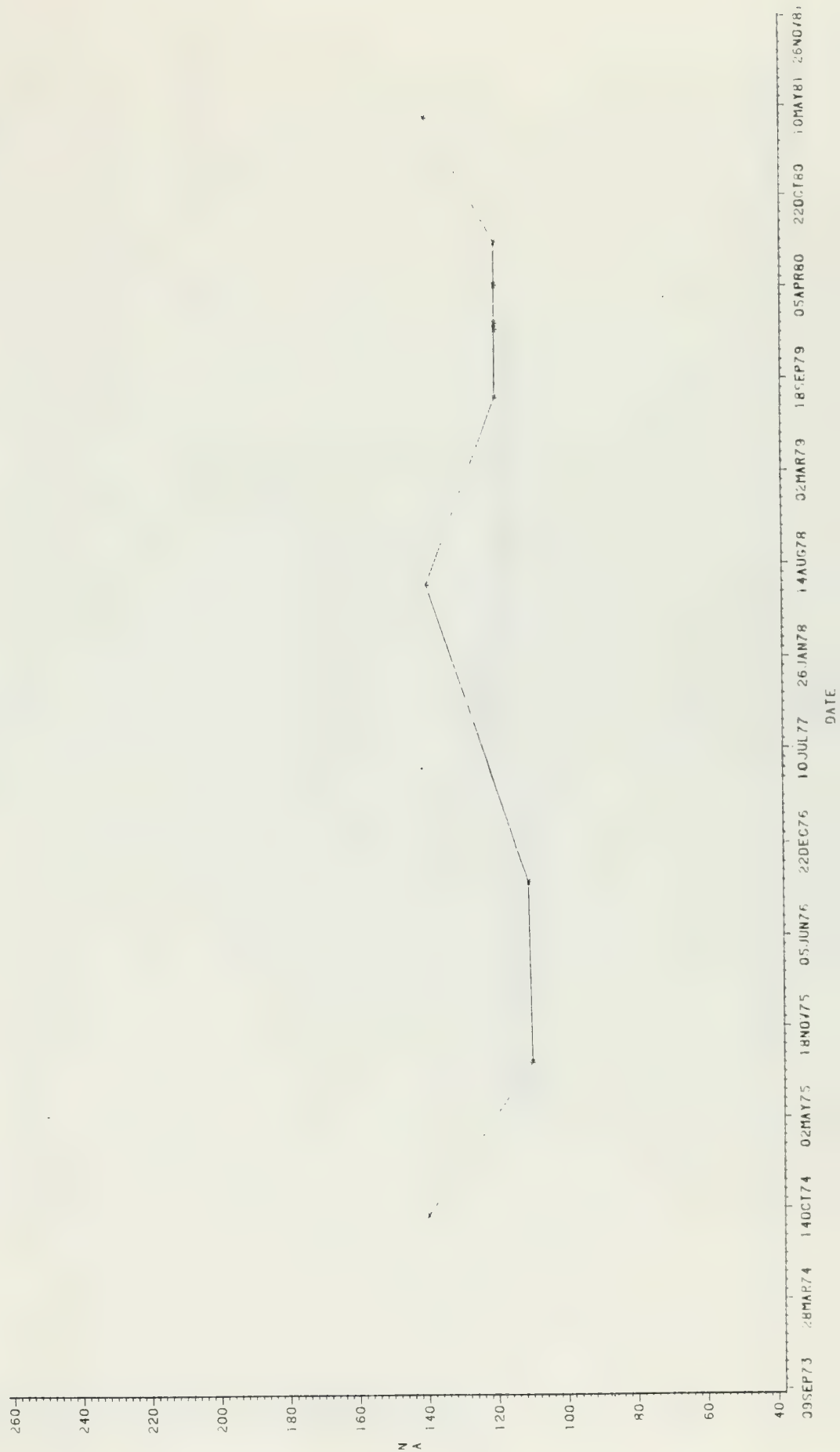
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS07



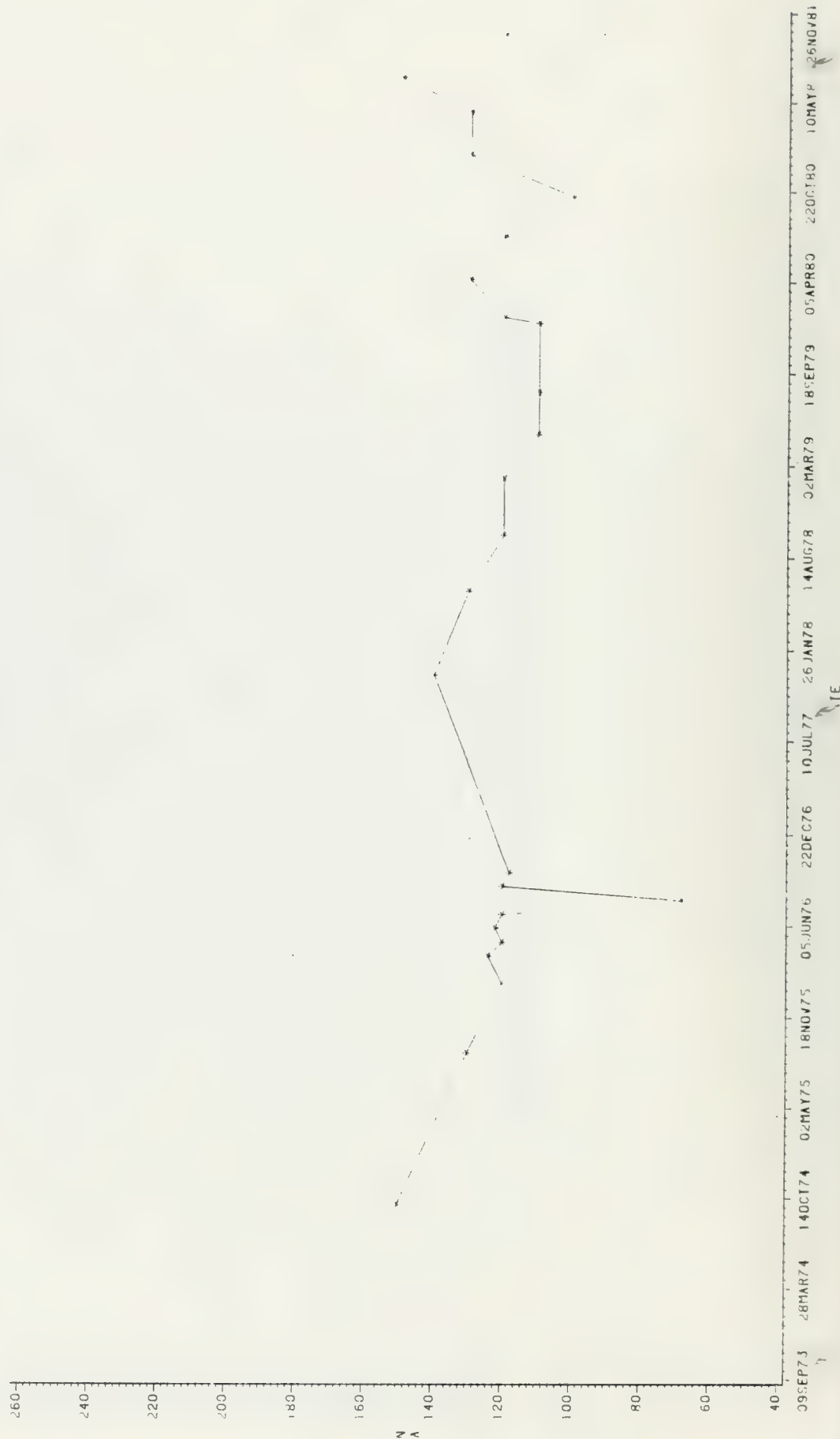
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS08



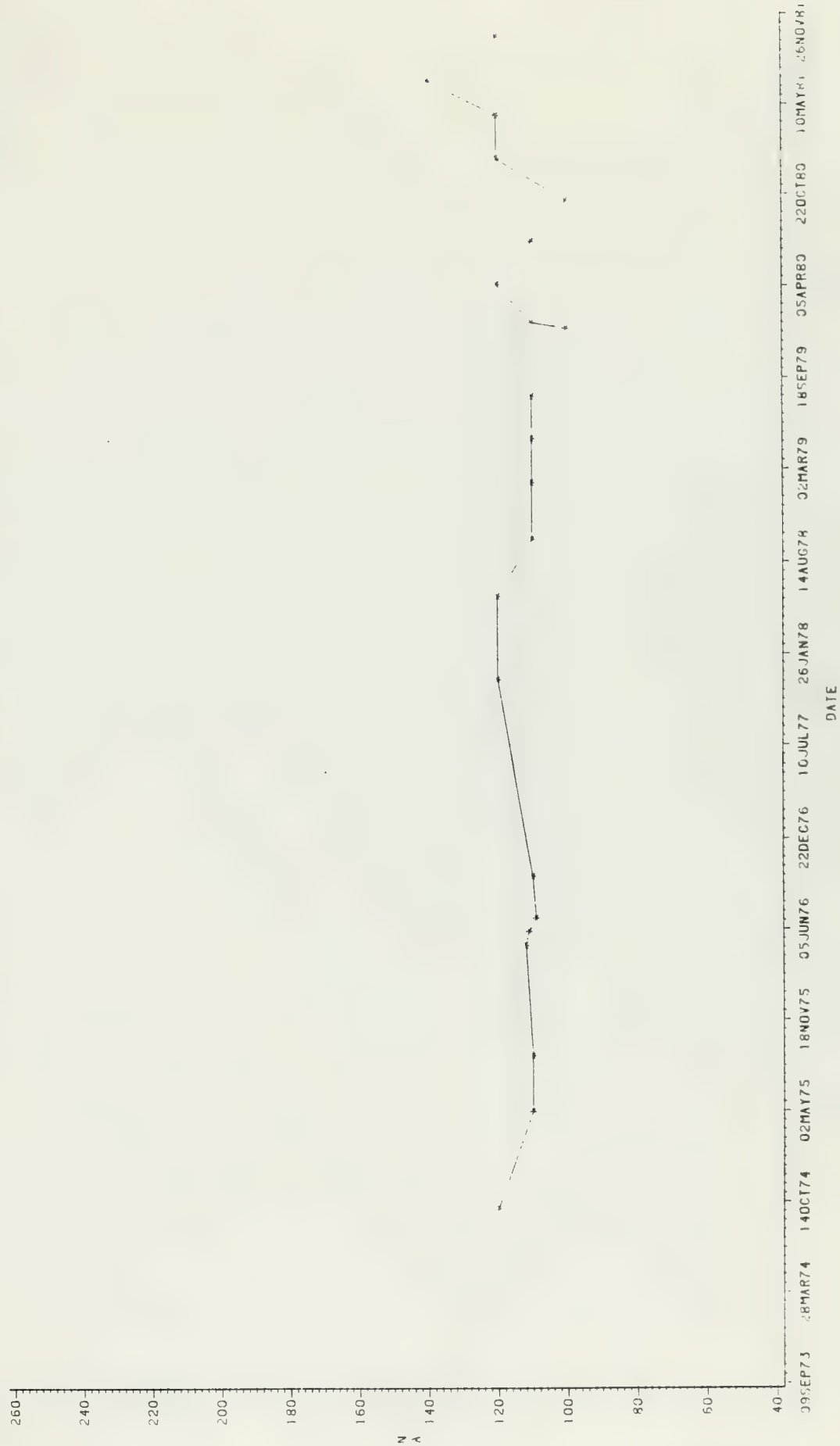
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS09



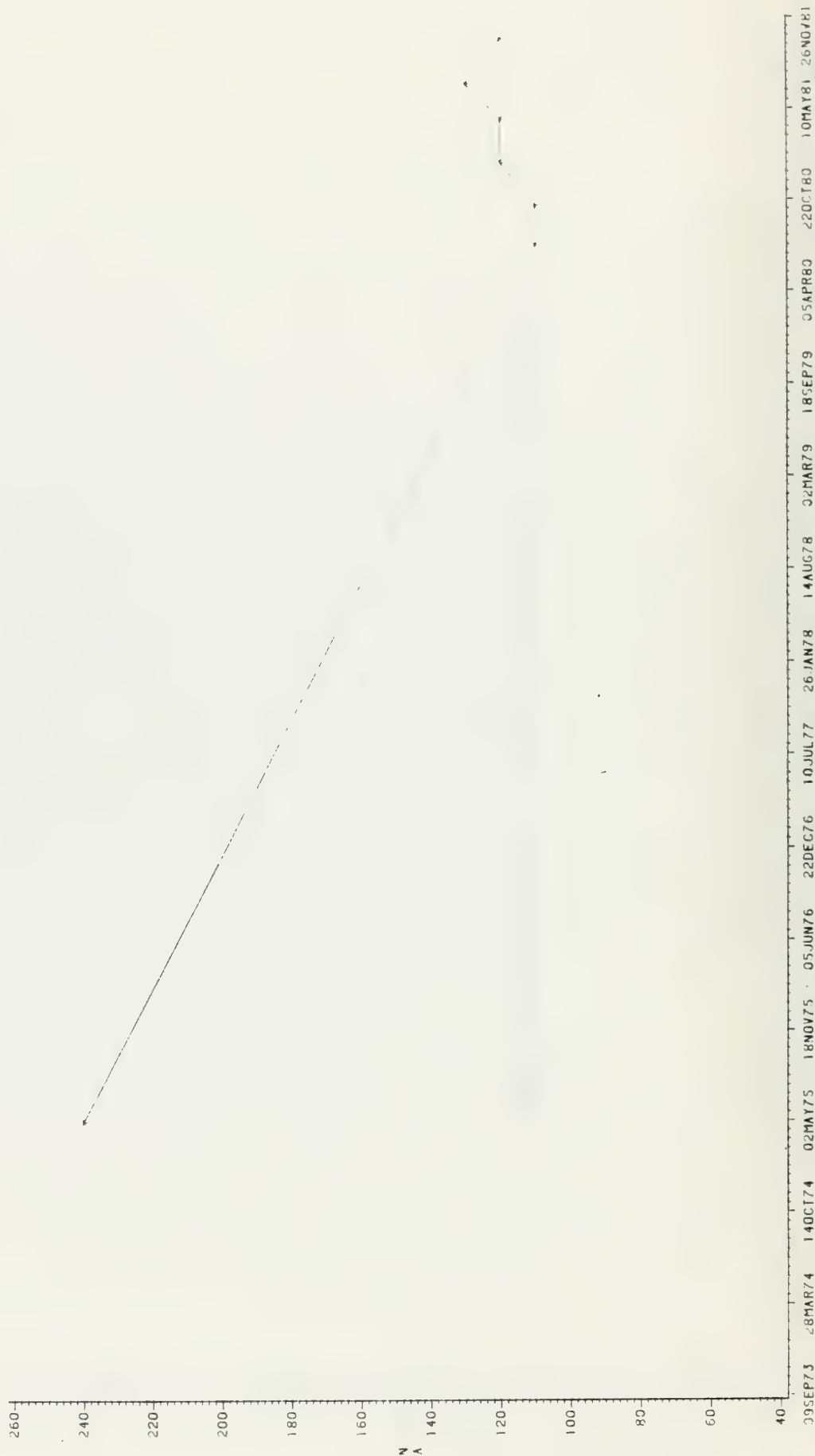
TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS10



TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

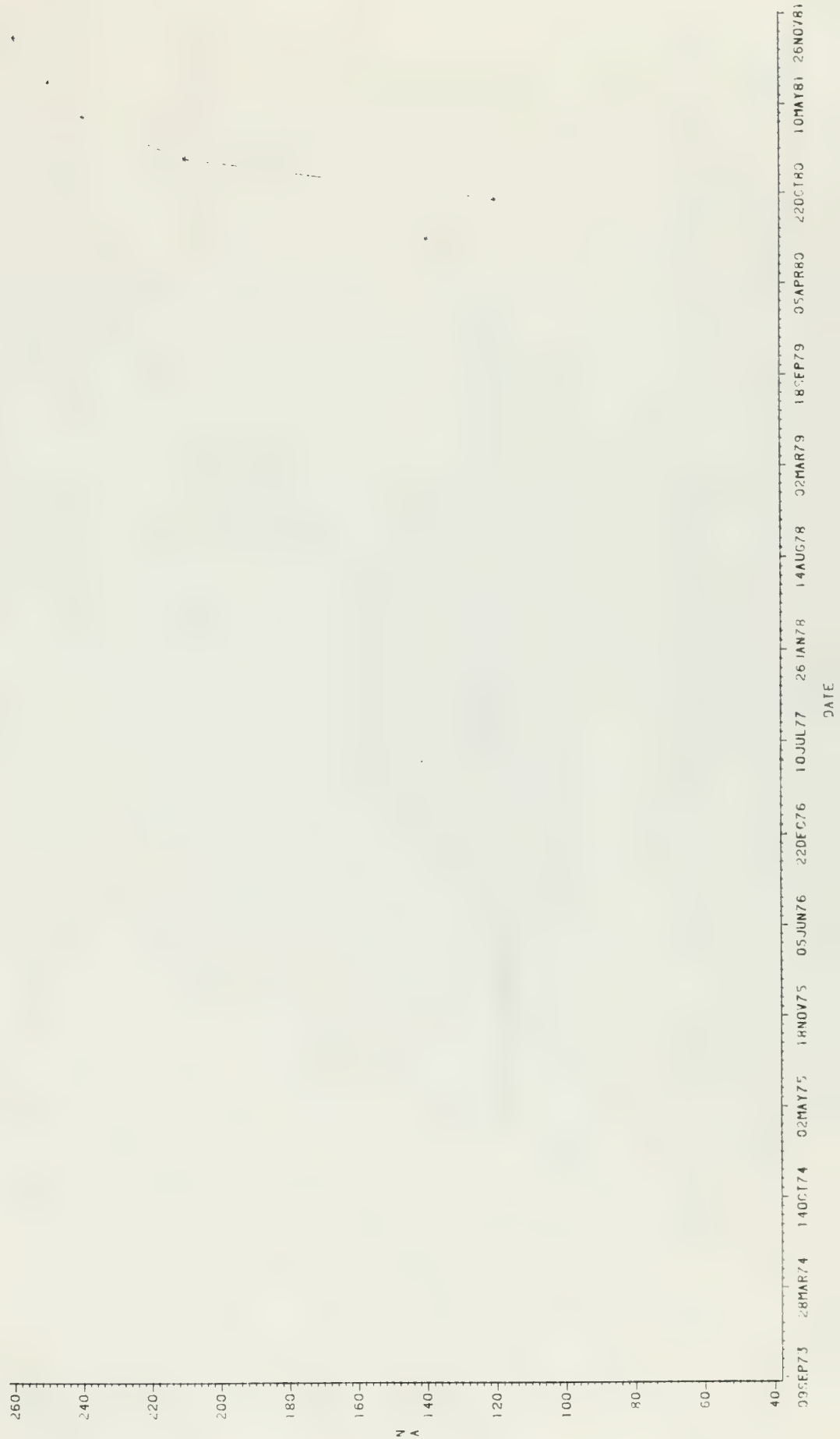
LOC=WS11



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TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS12



TIME SERIES PLOT OF SODIUM FOR SPRINGS AND SEEPS

LOC=WS36

260
240
220
200
180
160
140
120
100
80
60
40

N
A

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11304

TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS01

5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0

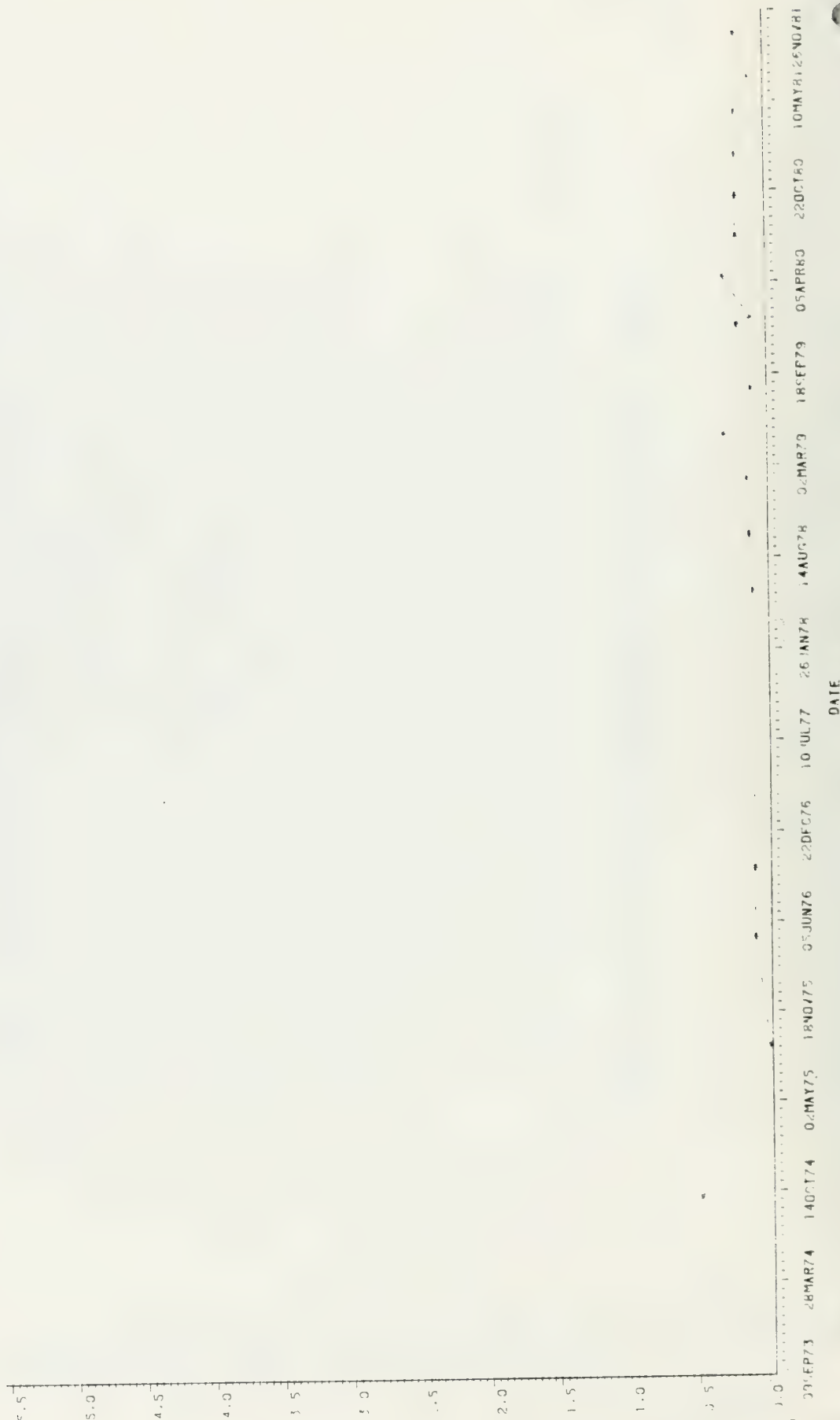
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09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 01JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS02



TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS04



TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=MS06



TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS07

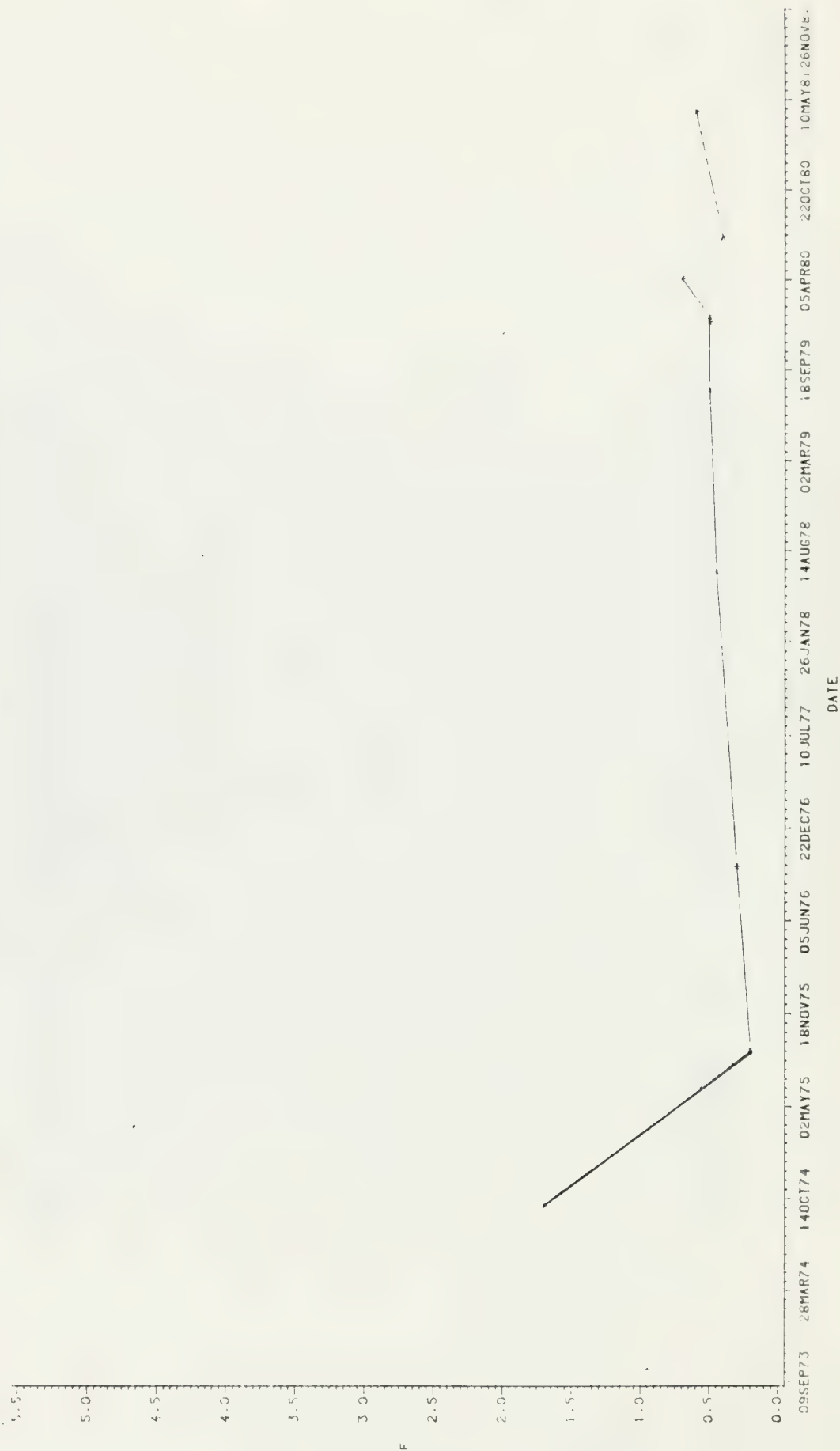
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0

17-EP75 28-MAR-74 14-SEP-74 01-MAY-75 18-NOV-75 01-JUN-76 22-DEC-76 10-JUL-77 01-JAN-78 14-AUG-78 01-MAR-79 18-SEP-79 05-APR-80 01-DEC-80 10-MAY-81 26-NOV-81

DATE

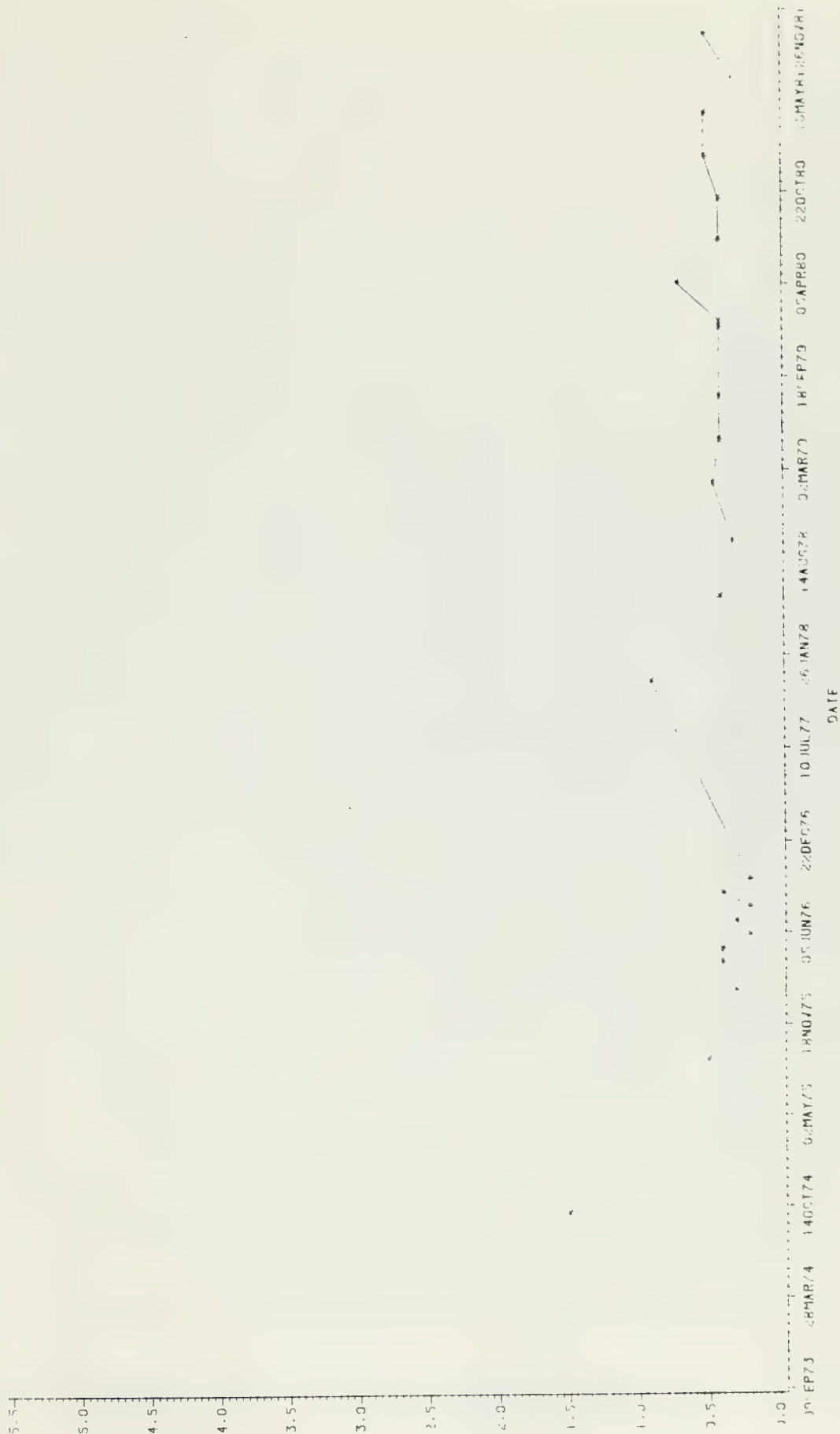
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LD-4506



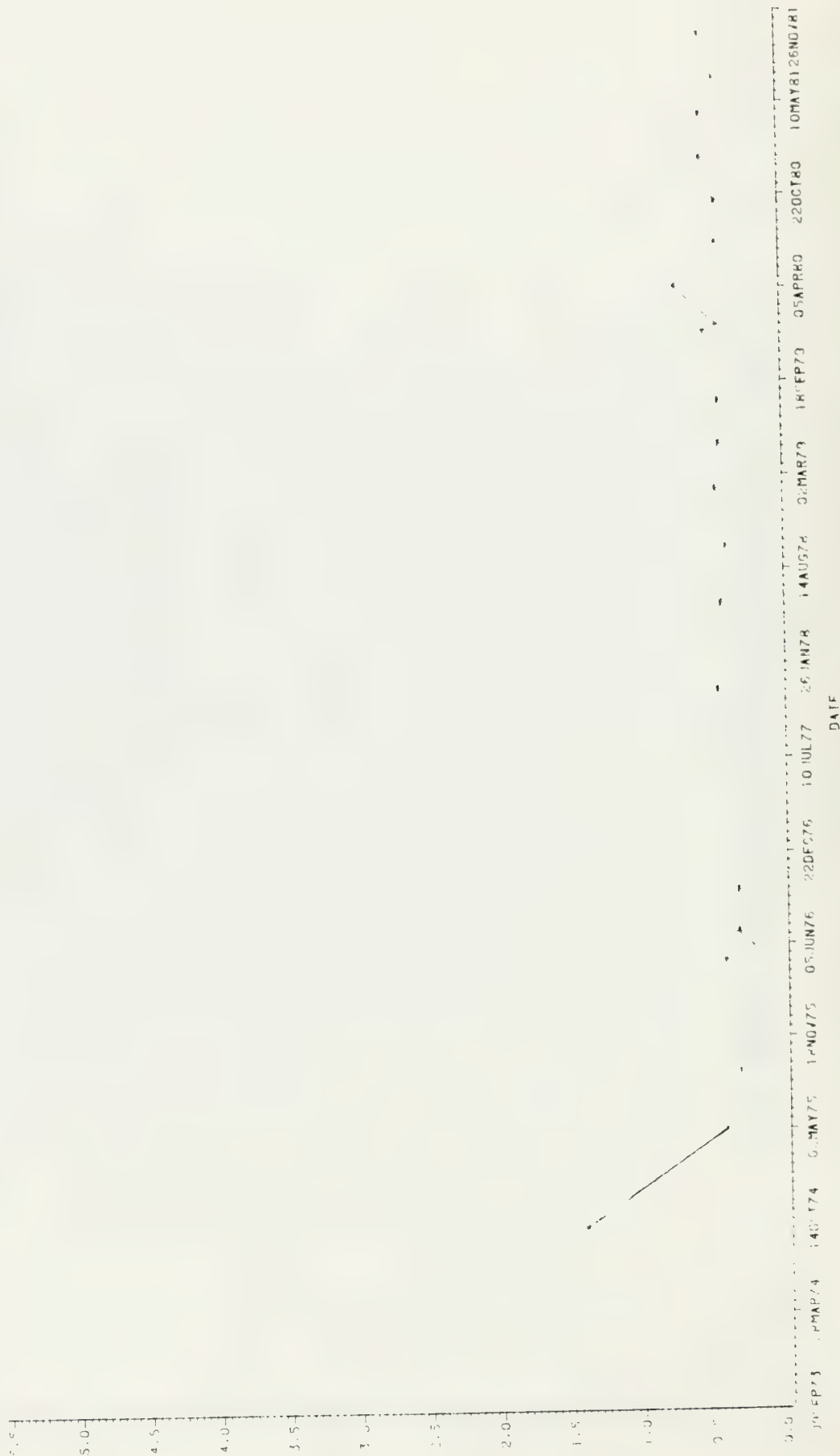
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=MS09



TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=WS10



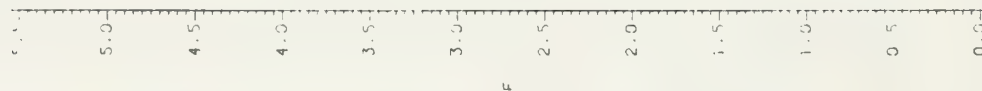
TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOC=MS11



TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

LOG #4512

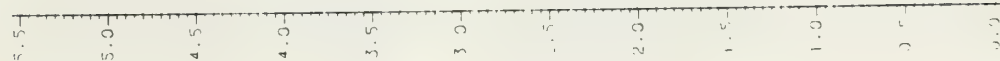


09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 28NOV81

DATE

TIME SERIES PLOT OF FLUORIDE FOR SPRINGS AND SEEPS

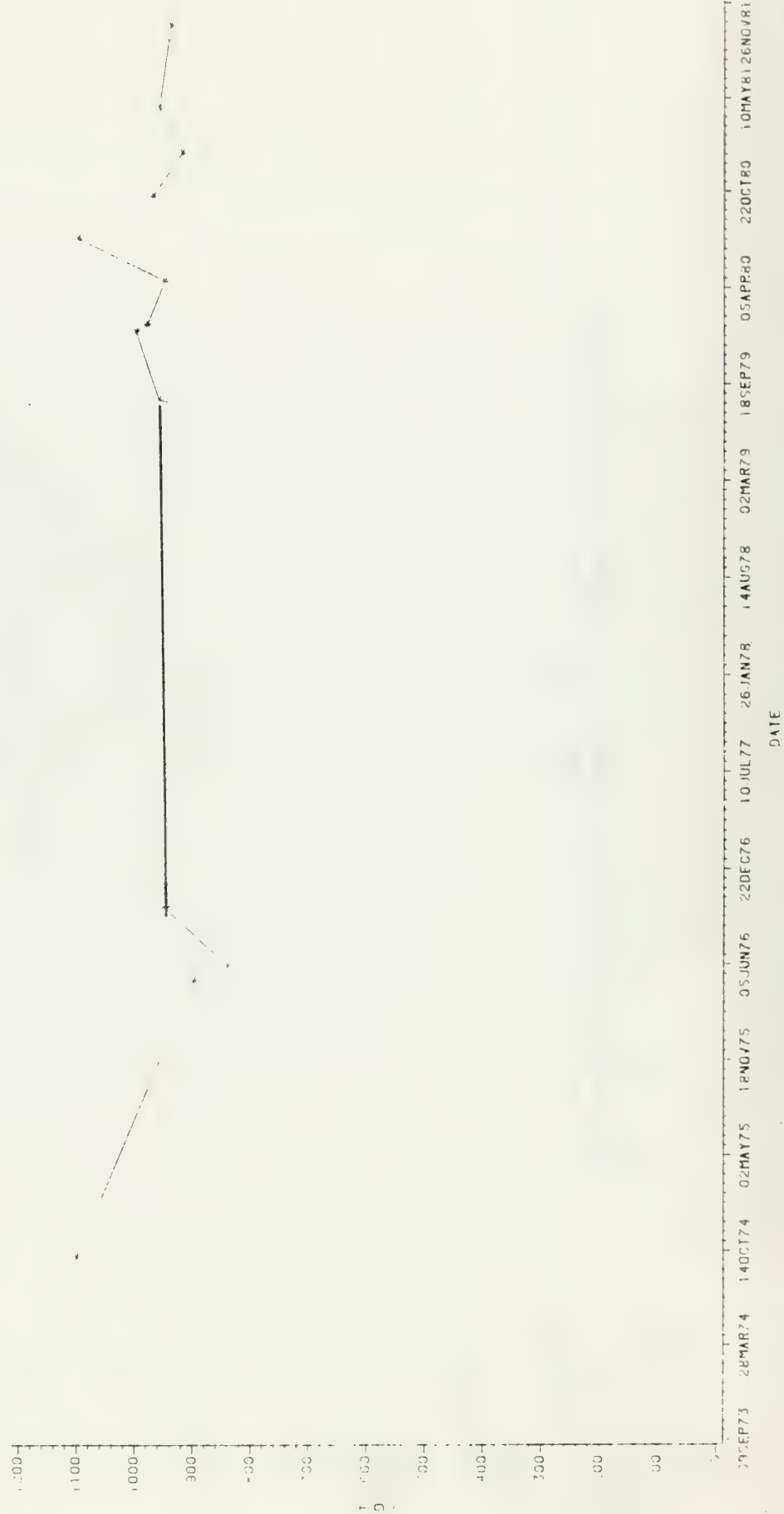
LOC=WS36



DATE	06FP73	08MAR74	14OCT74	02MAY75	18NOV75	05JUN76	22DEC76	10JUL77	26JAN78	14AUG78	02MAR79	18FPT9	05APR80	22OCT80	10MAY81
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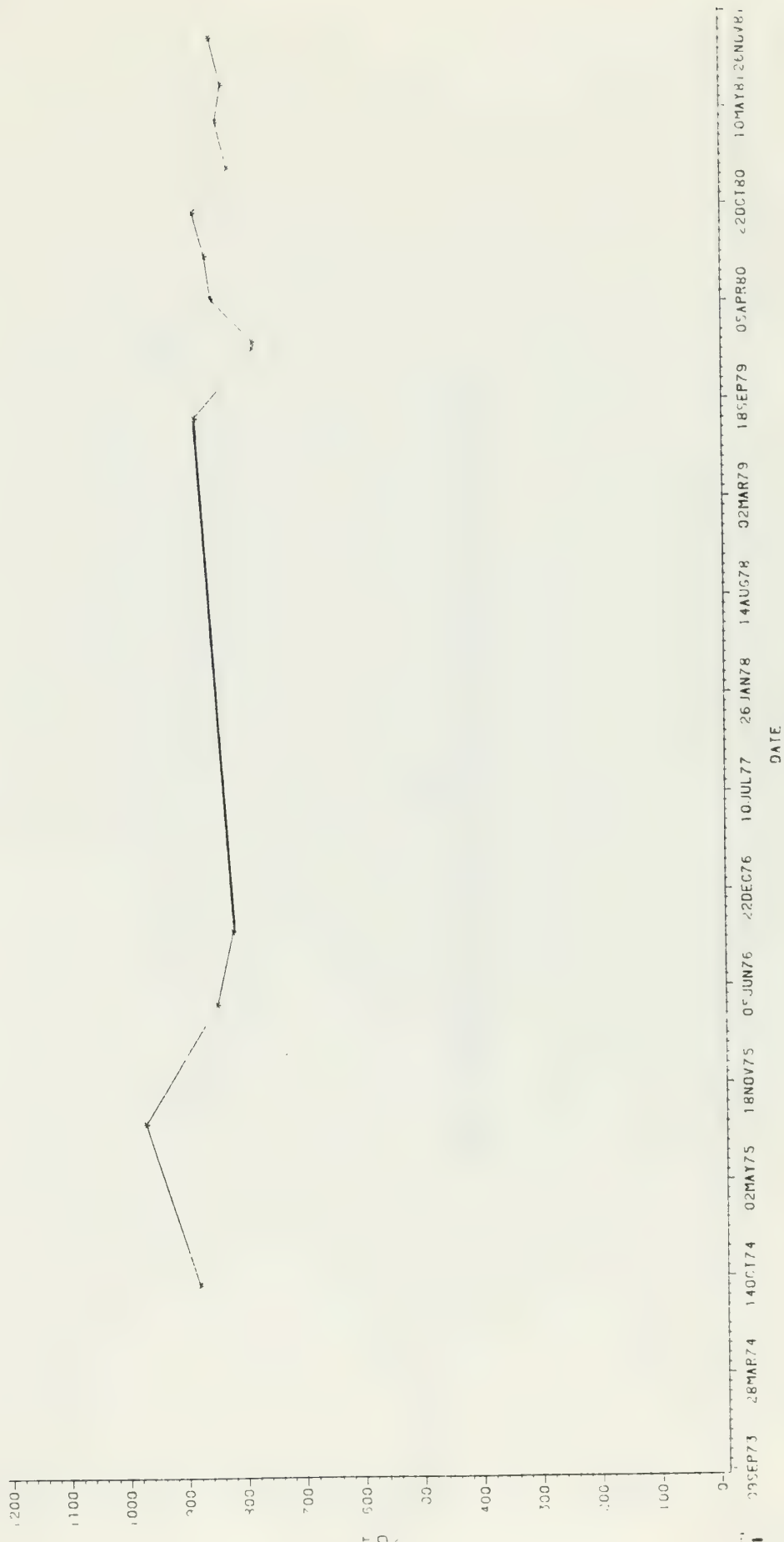
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS01



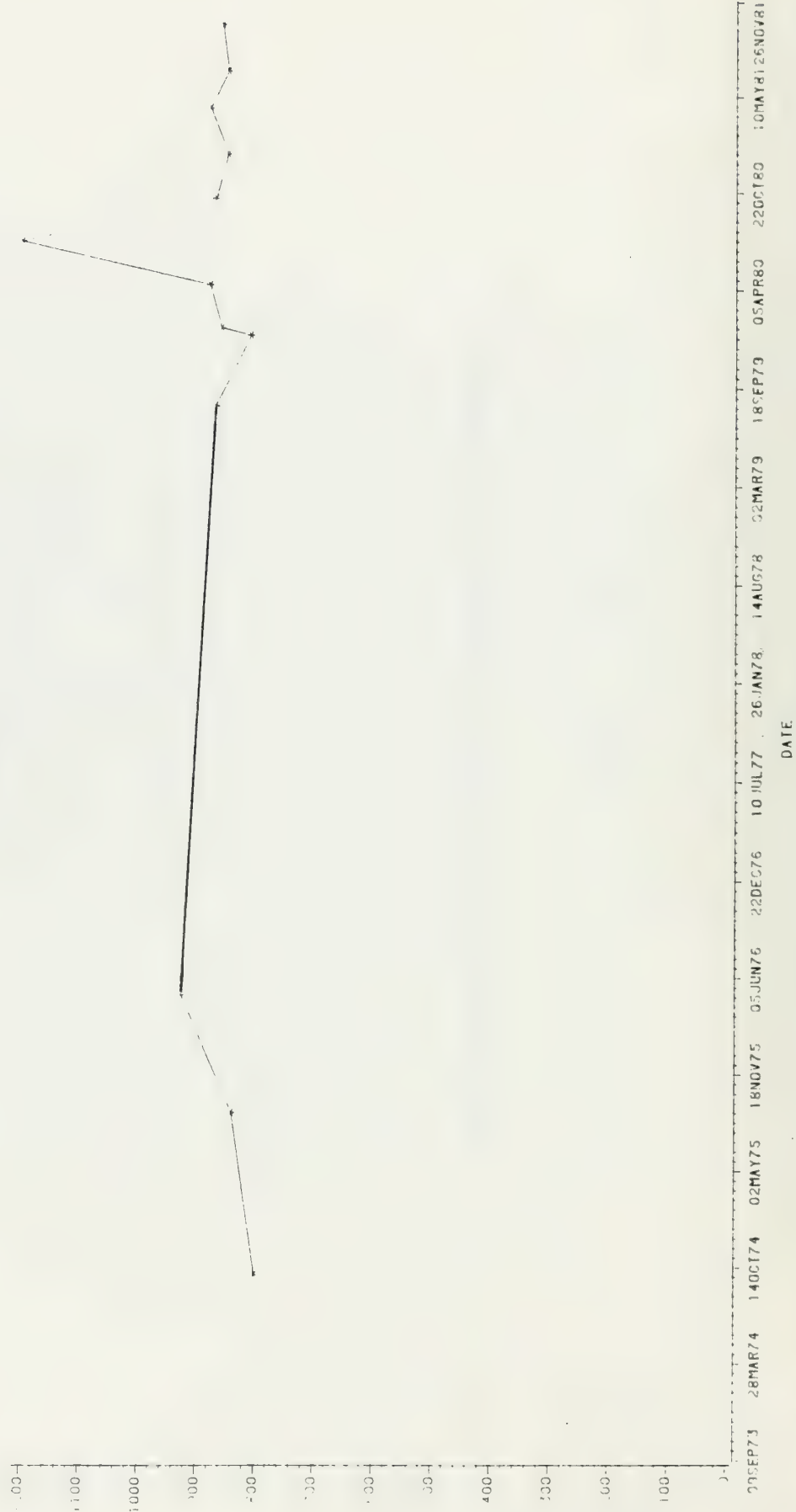
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS02



TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS04



TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS06

1200
1100
1000
900
800
700
600
500
400
300
200
100
0



DATE

03 SEP 73 28 MAR 74 14 OCT 74 02 MAY 75 18 NOV 75 05 JUN 76 22 DEC 76 10 JUL 77 26 JAN 78 14 AUG 78 02 MAR 79 18 SEP 79 05 APR 80 22 OCT 80 01 MAY 81

TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS
LOC=WS07 $\angle OC = WS07$

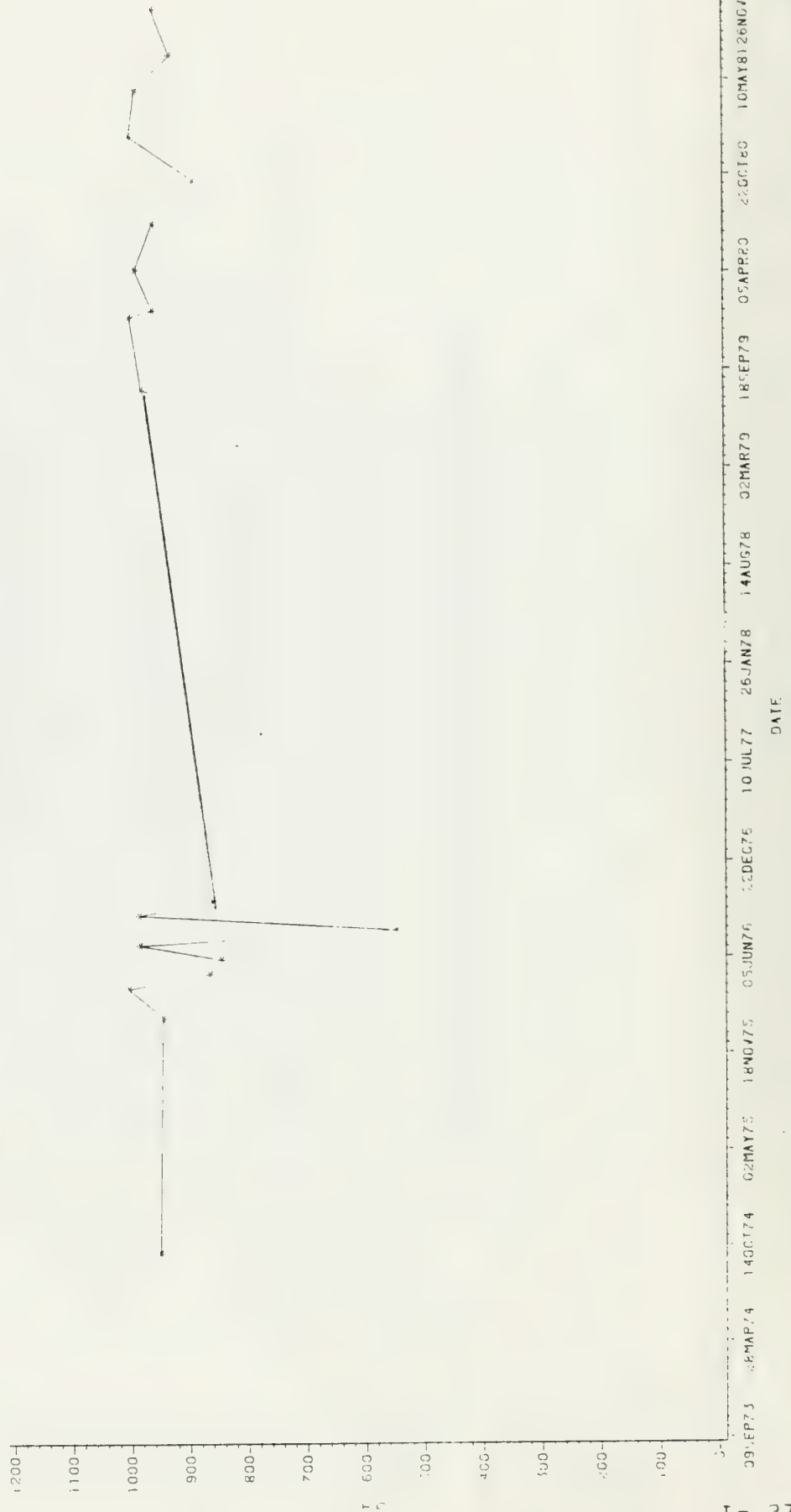
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=H508



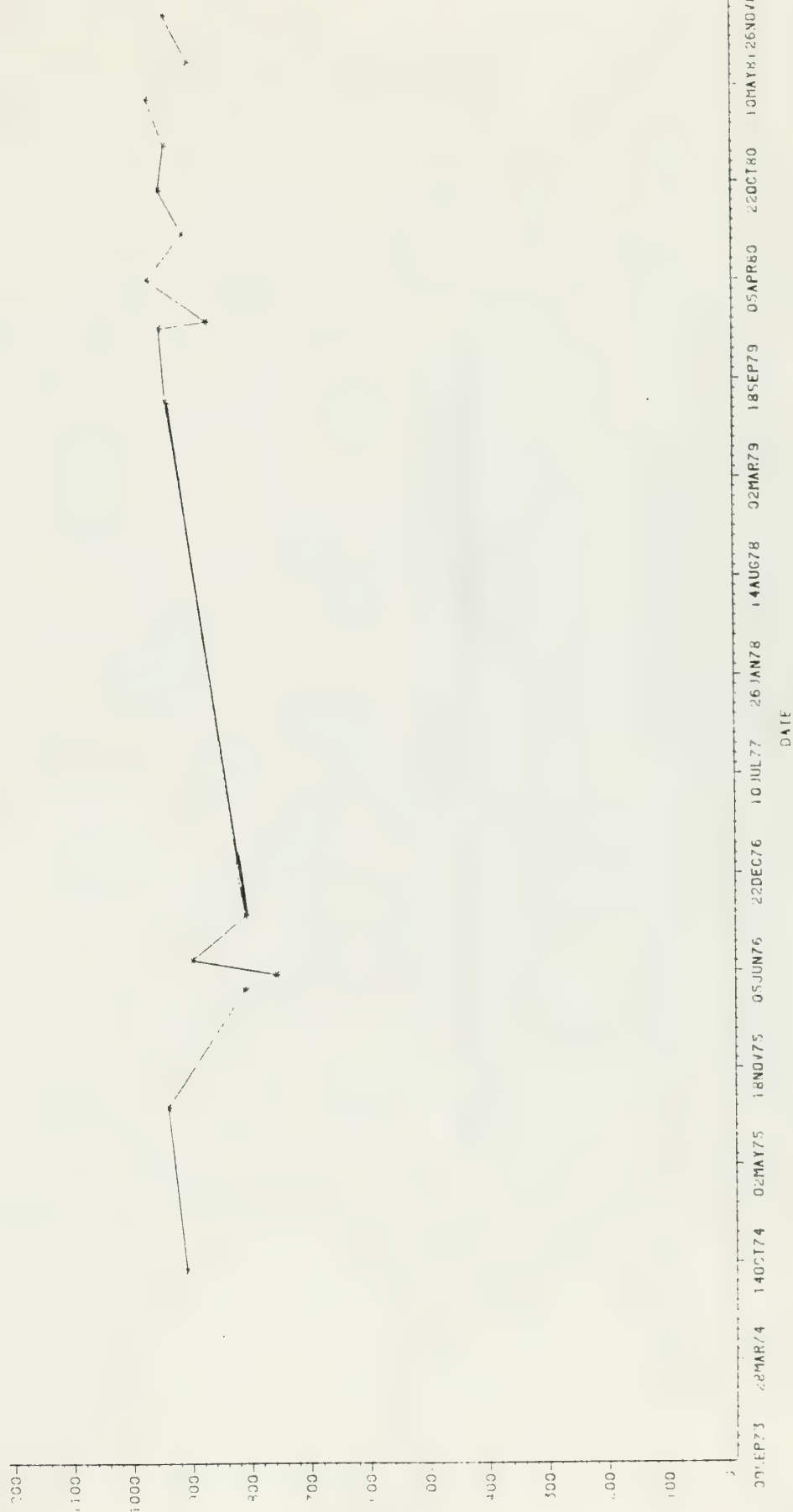
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS09



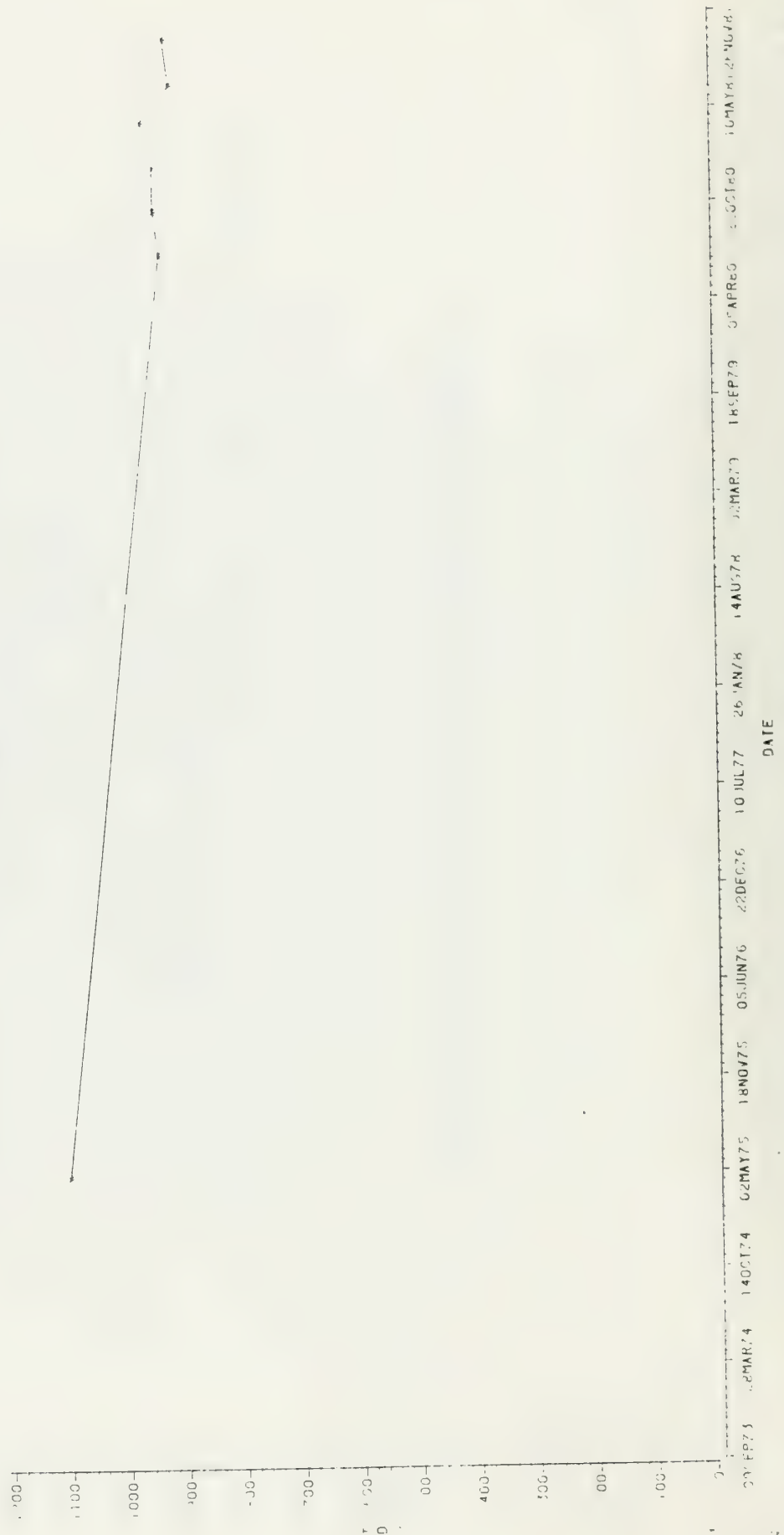
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS10



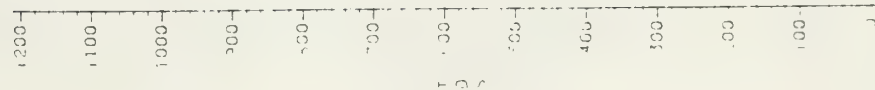
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC=WS11



TIME SERIES PLOT OF 'TDS FOR SPRINGS AND SEEPS
LOC=WS12

LOC=WS12

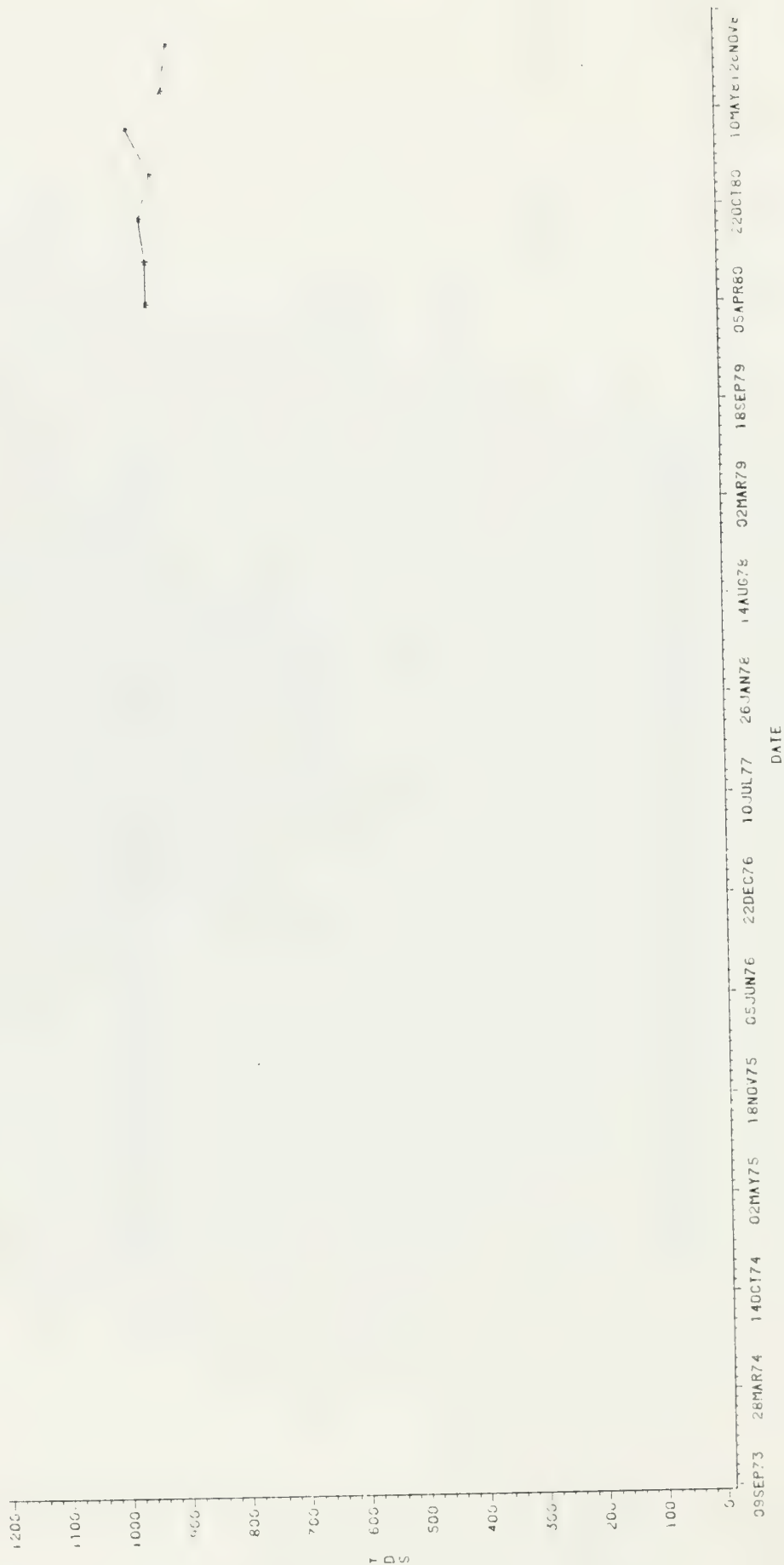


100

	DATE
28 MAR 74	14 OCT 74
02 MAY 75	18 NOV 75
05 JUN 76	22 DEC 76
10 JUL 77	26 JAN 78
14 AUG 78	02 MAR 79
18 SEP 79	05 APR 80
22 OCT 80	10 MAY 81
25 NOV 81	

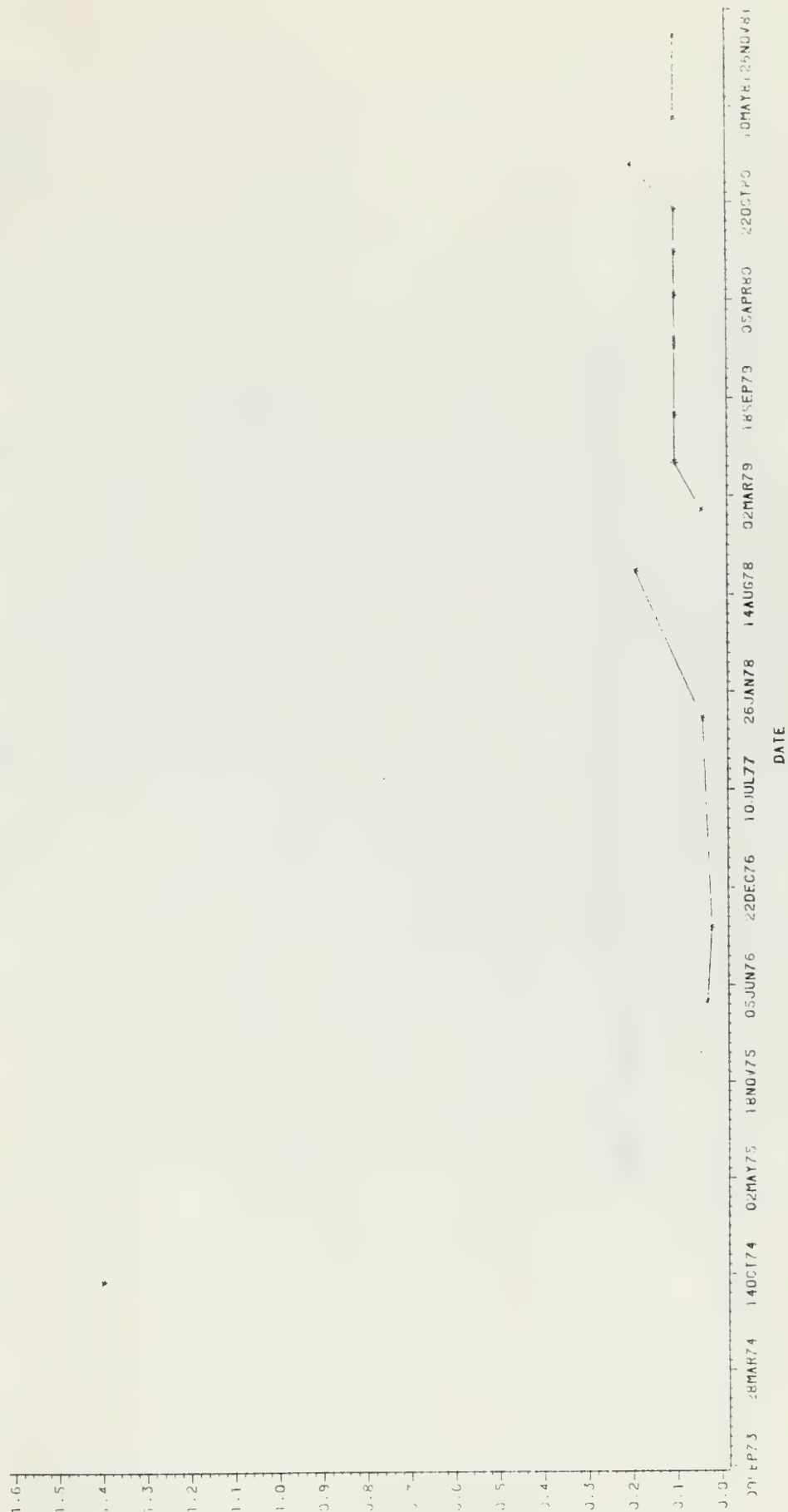
TIME SERIES PLOT OF TDS FOR SPRINGS AND SEEPS

LOC: WS31



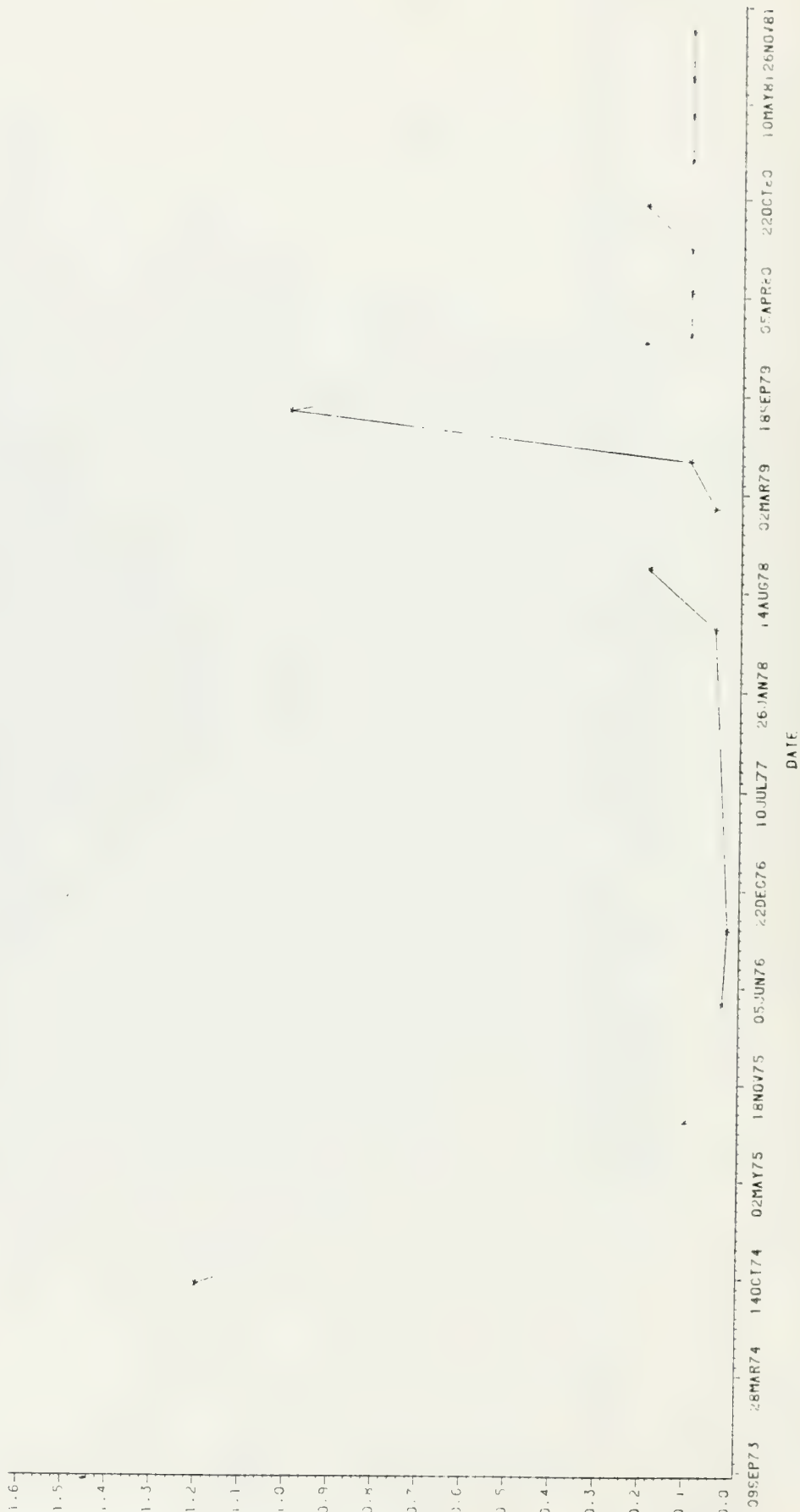
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS01



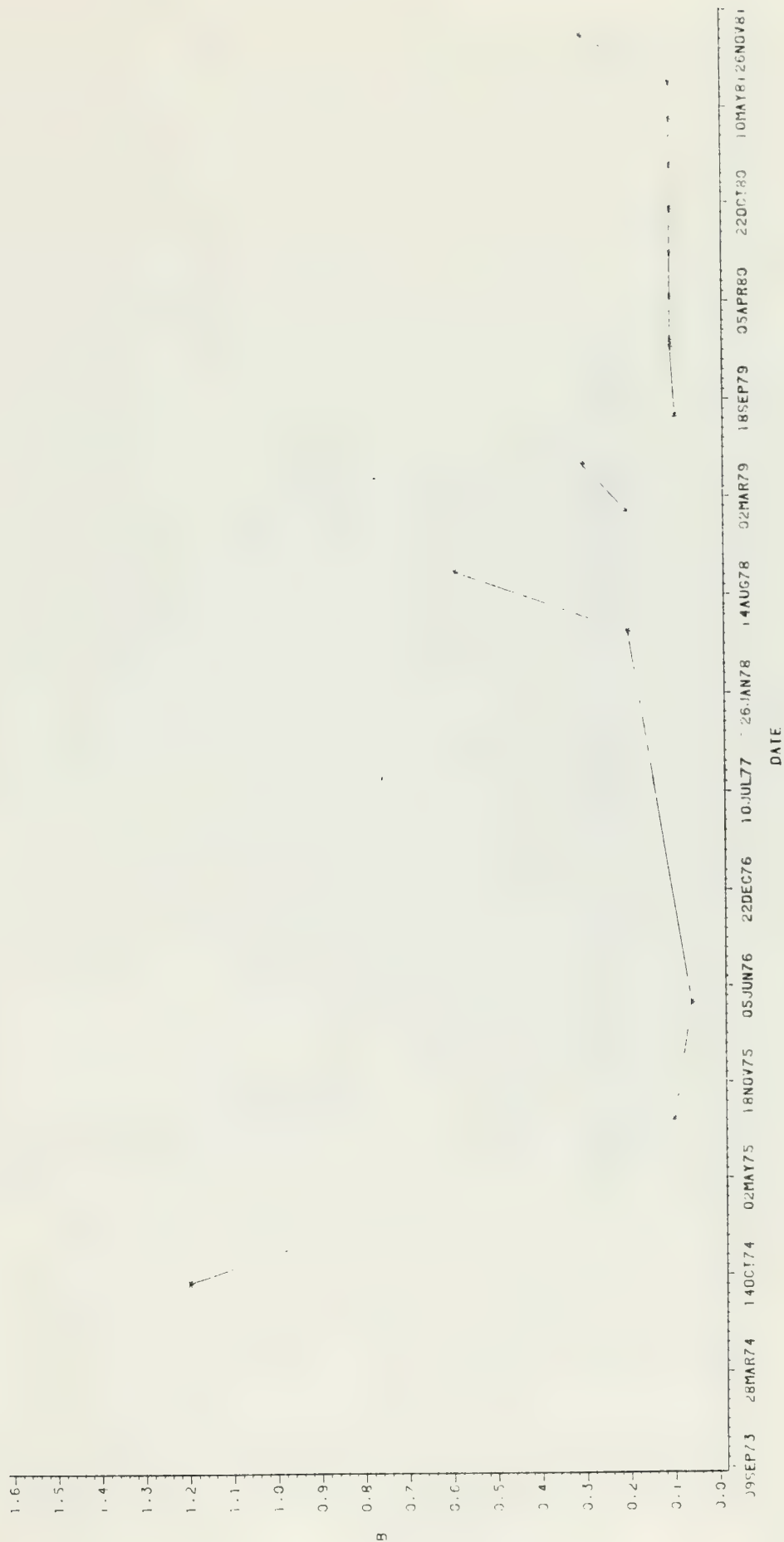
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LDC=WS02



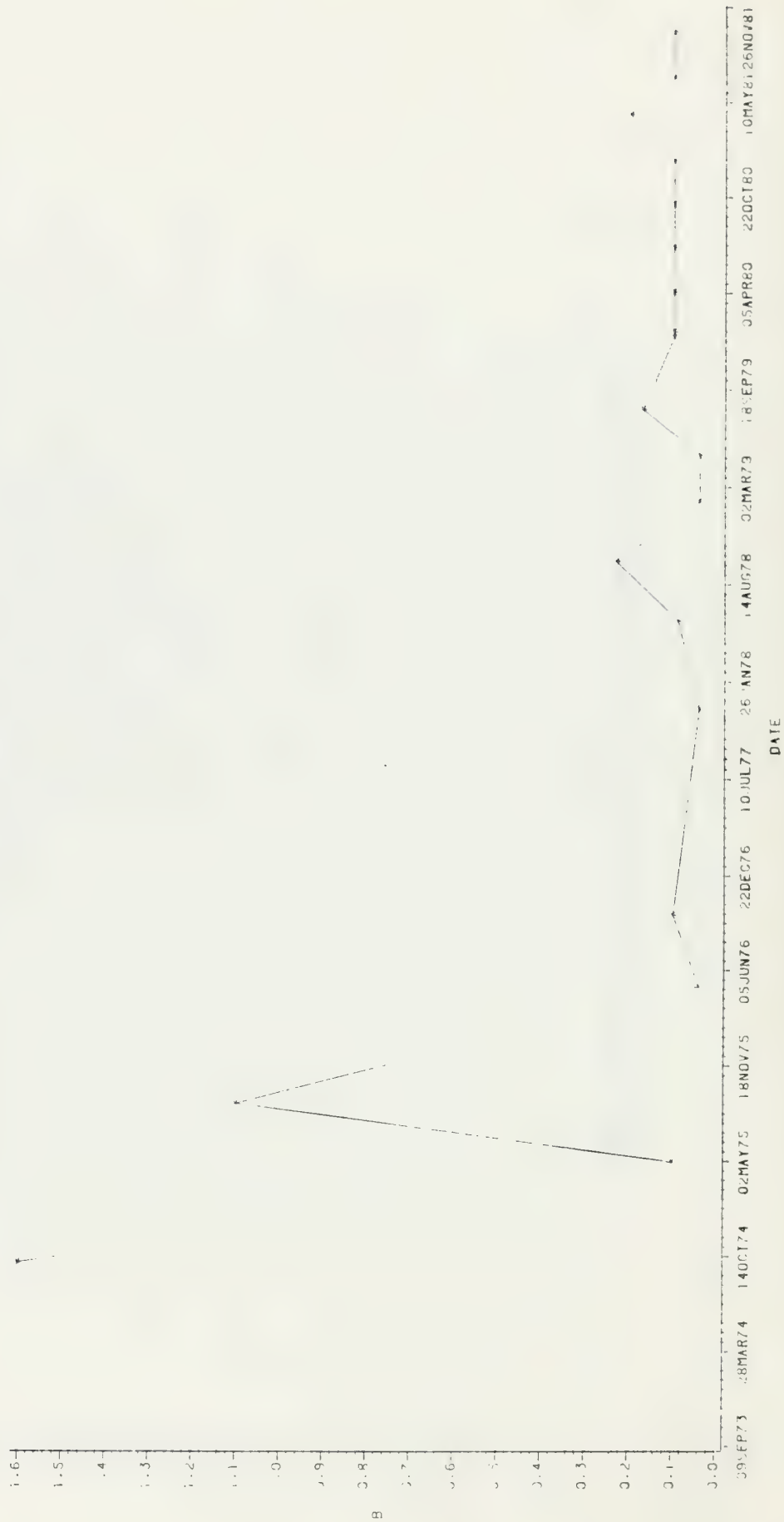
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOG=WS04



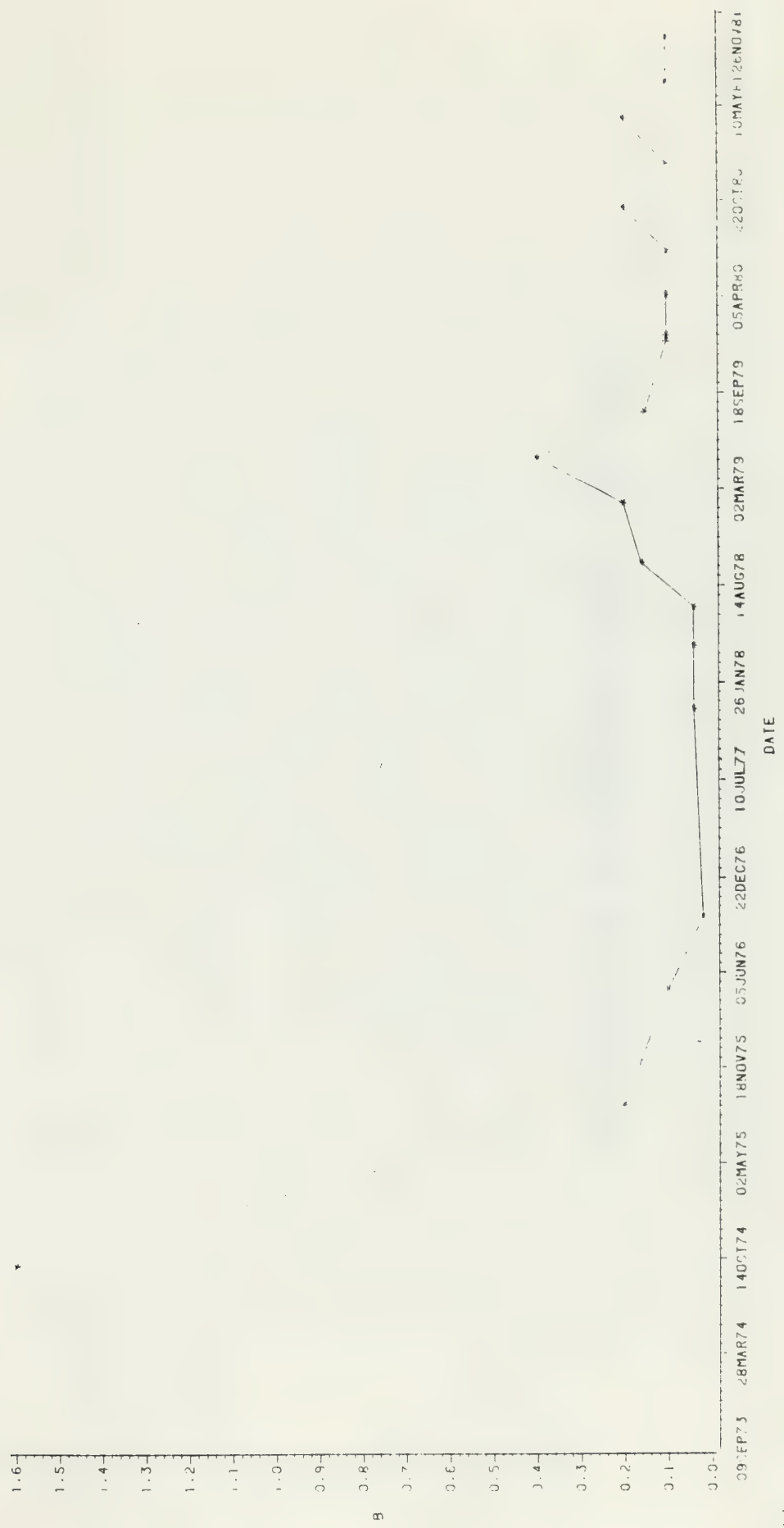
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=MS06



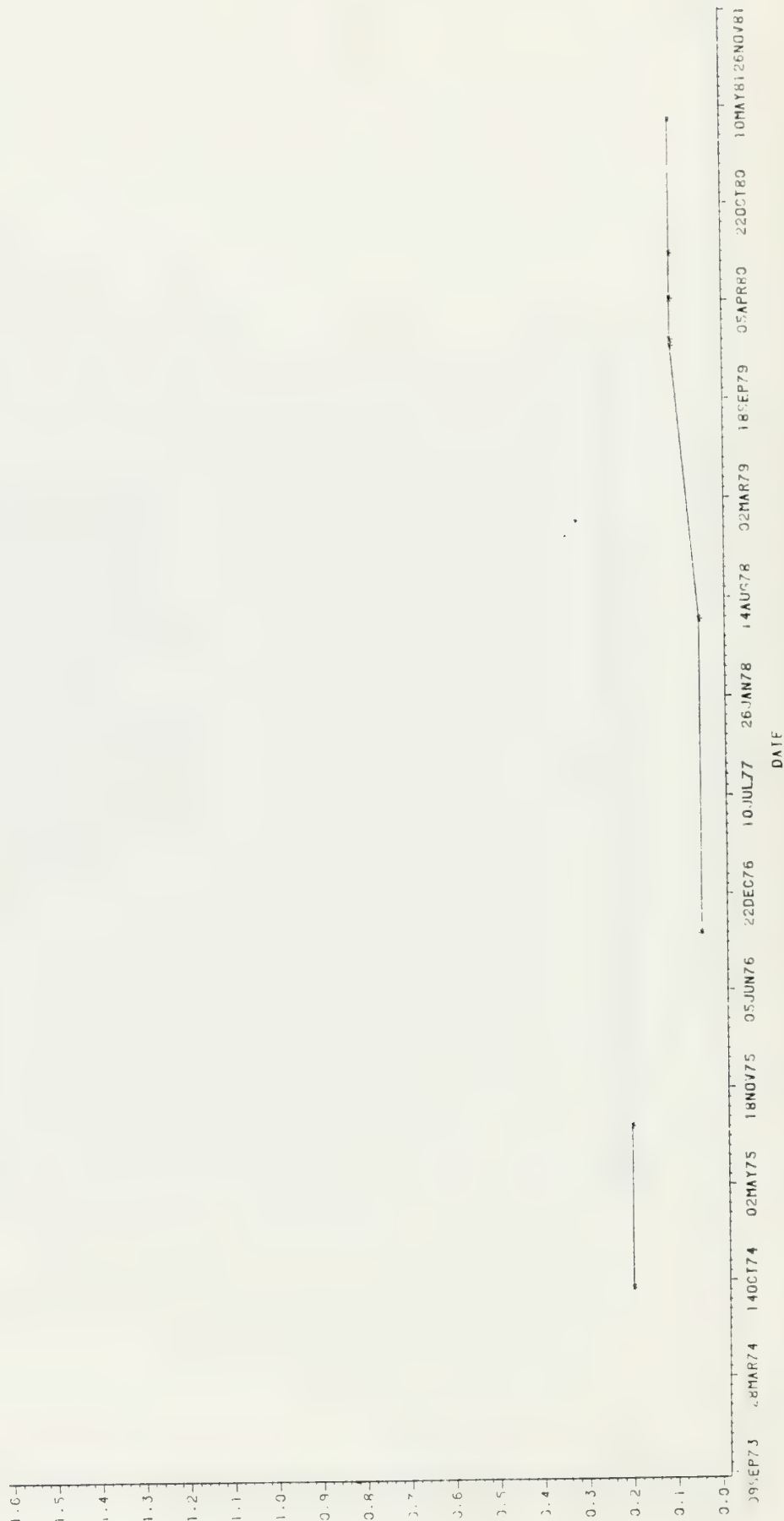
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS07



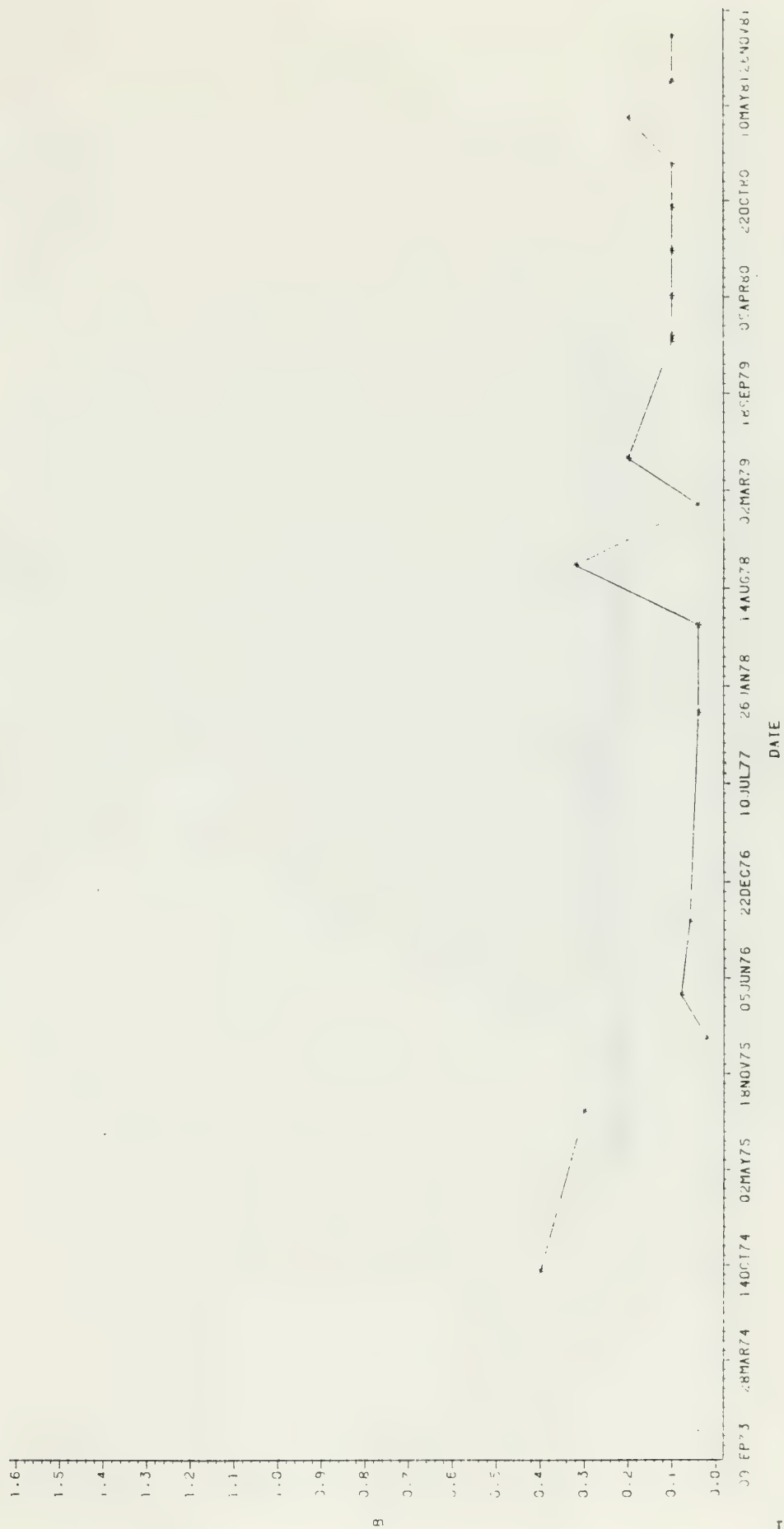
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS08



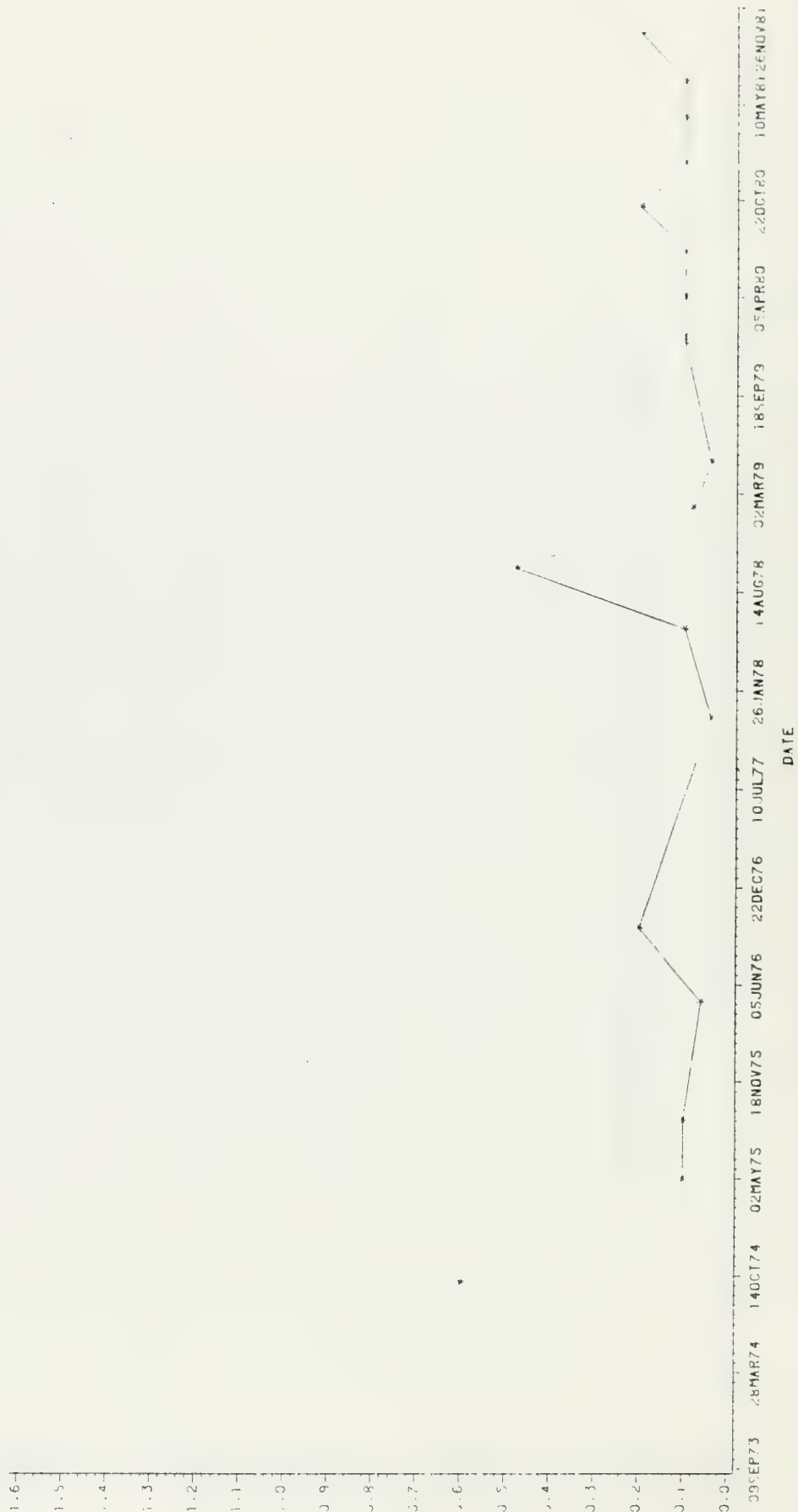
TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS09



TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS10



TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS11

1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

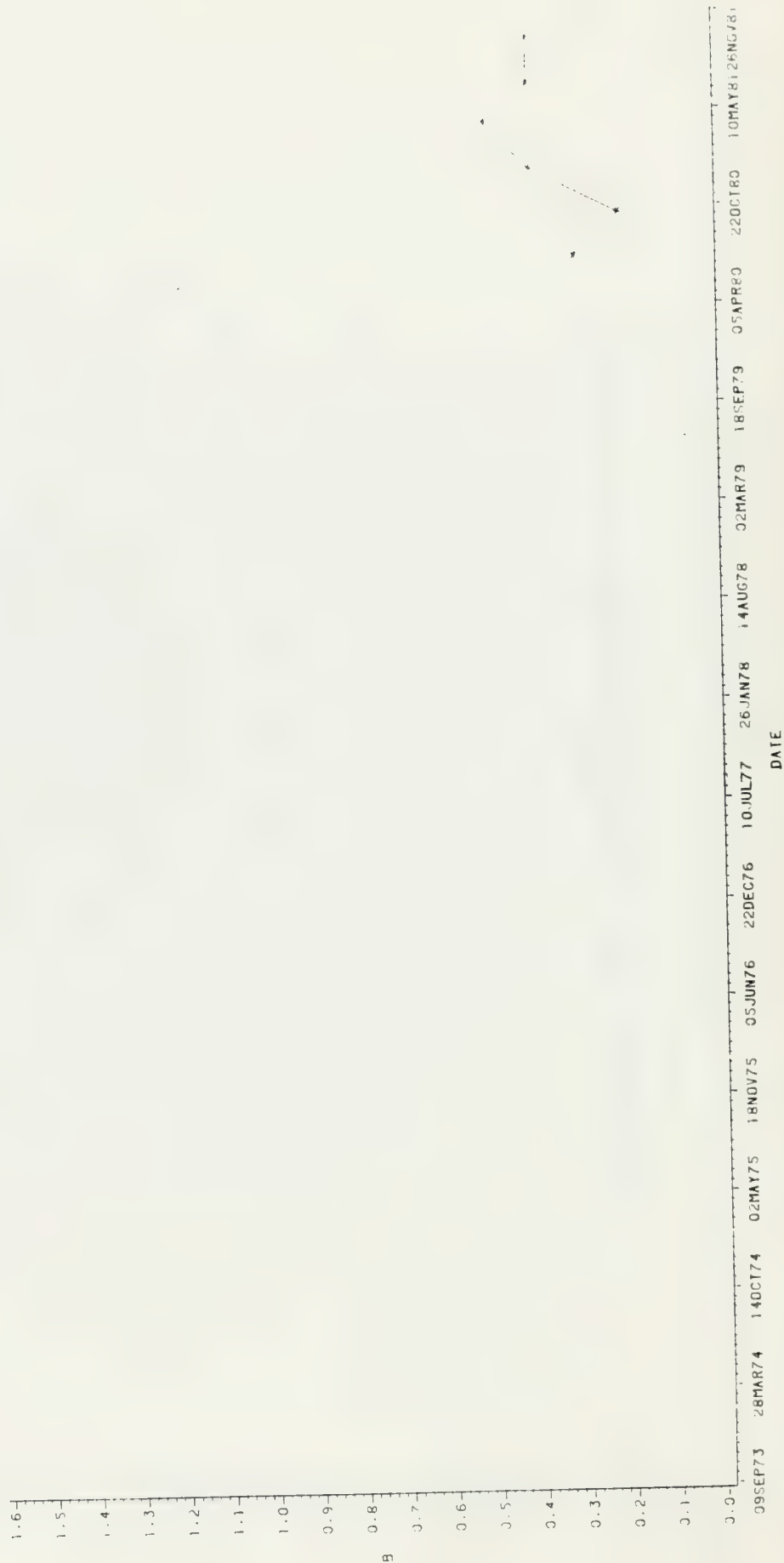
9

09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=NS12



TIME SERIES PLOT OF BORON FOR SPRINGS AND SEEPS

LOC=WS36

1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

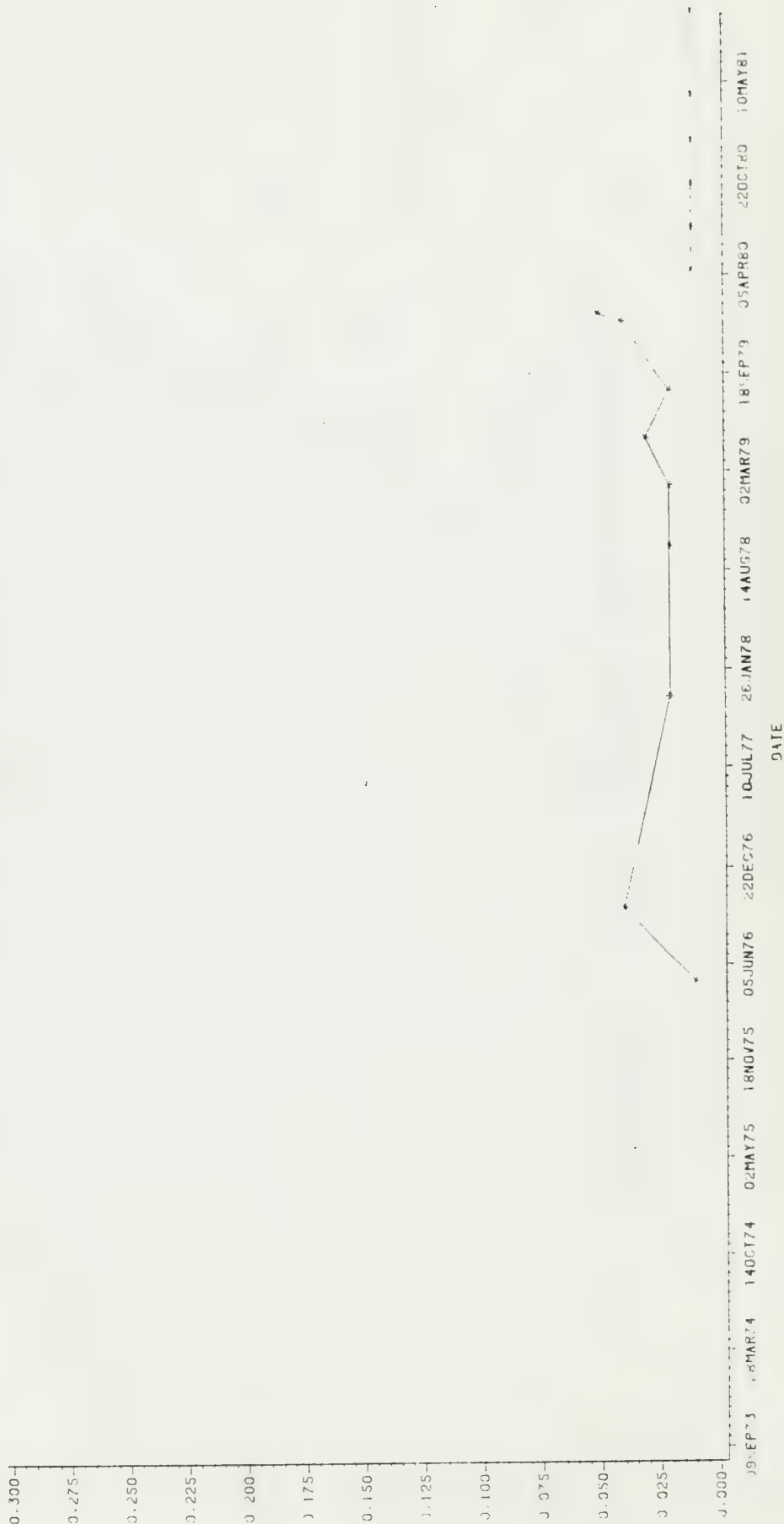
B

09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

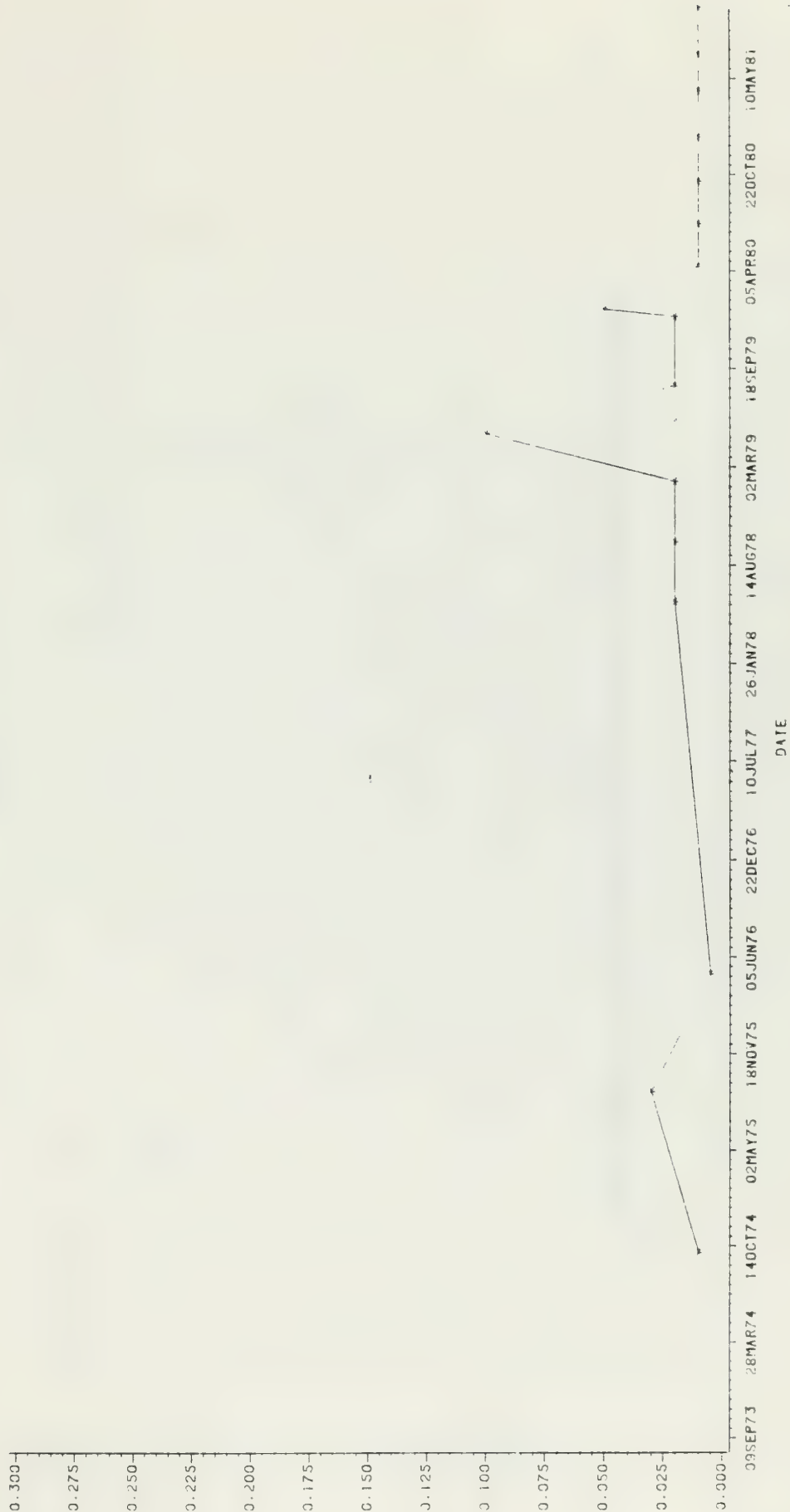
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS01



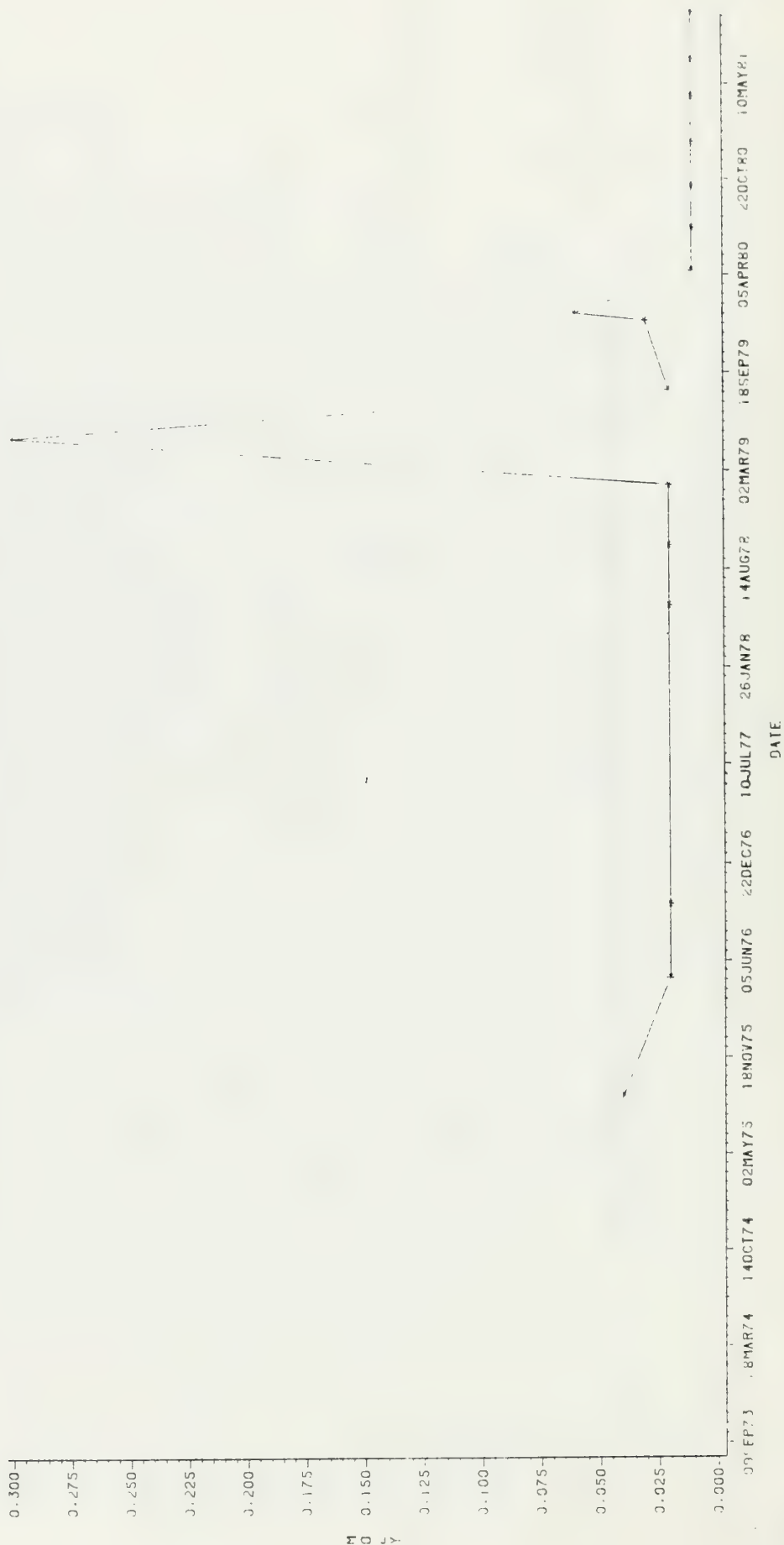
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS04



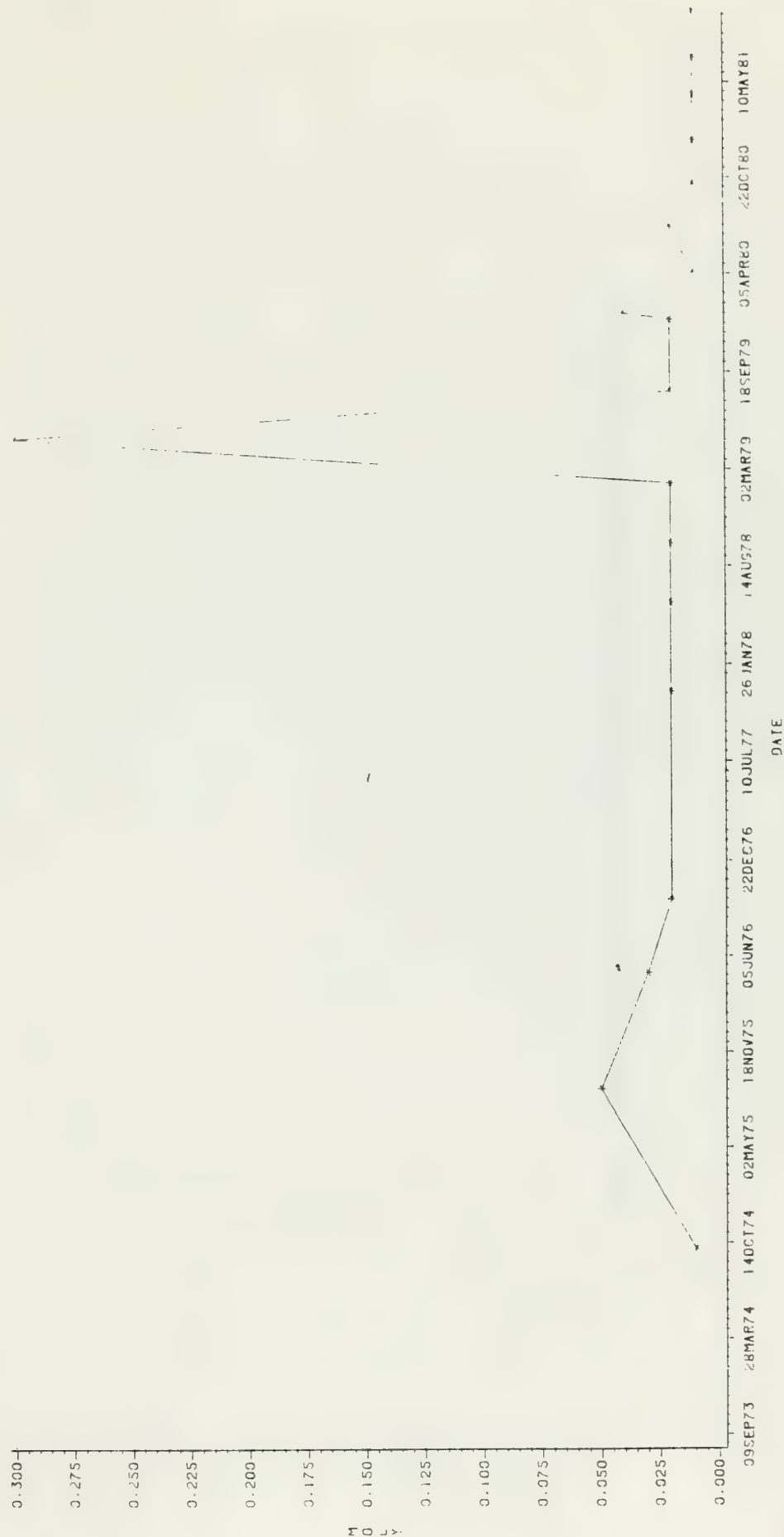
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LCC=WS02



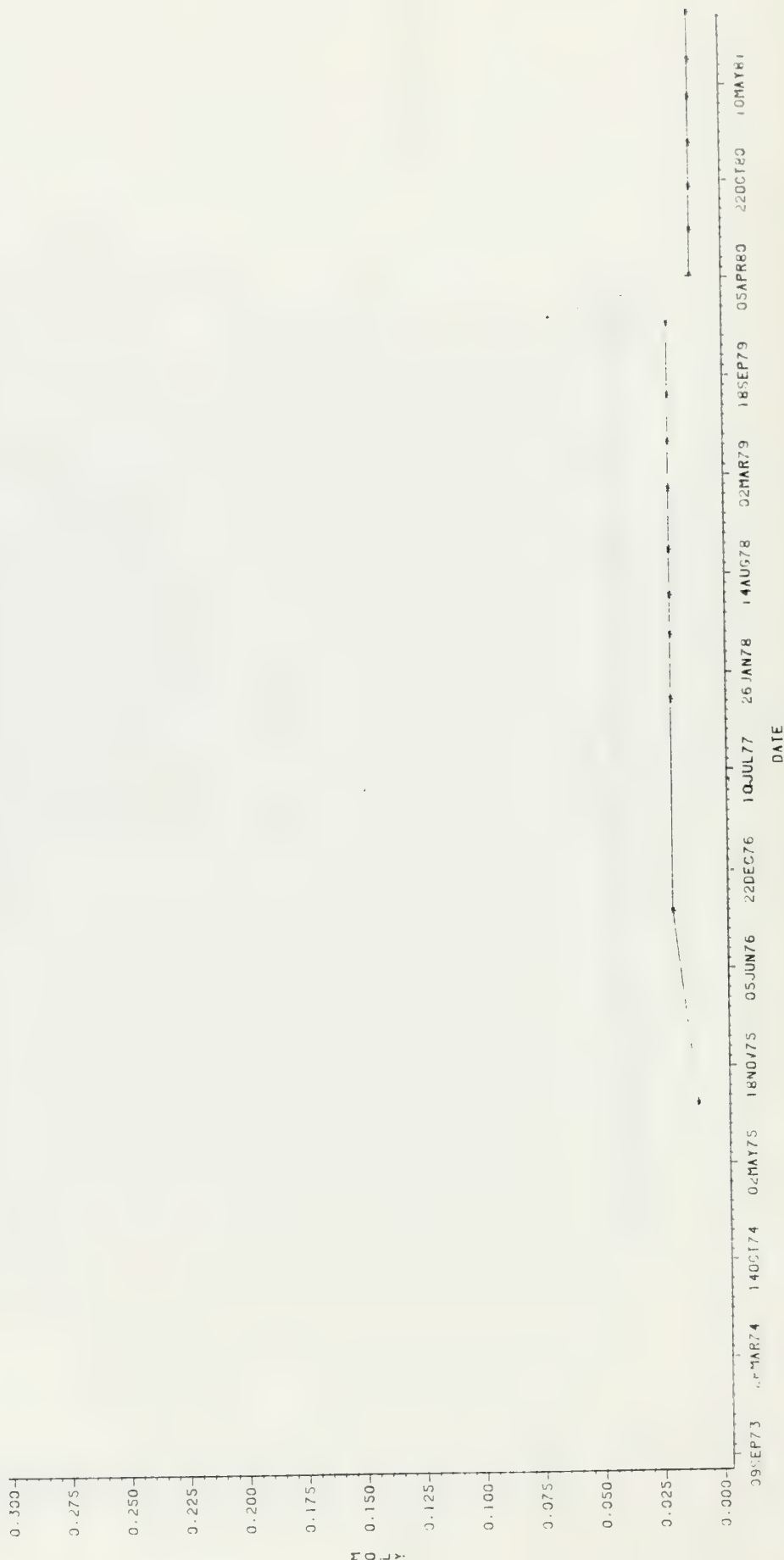
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

9C5M=307



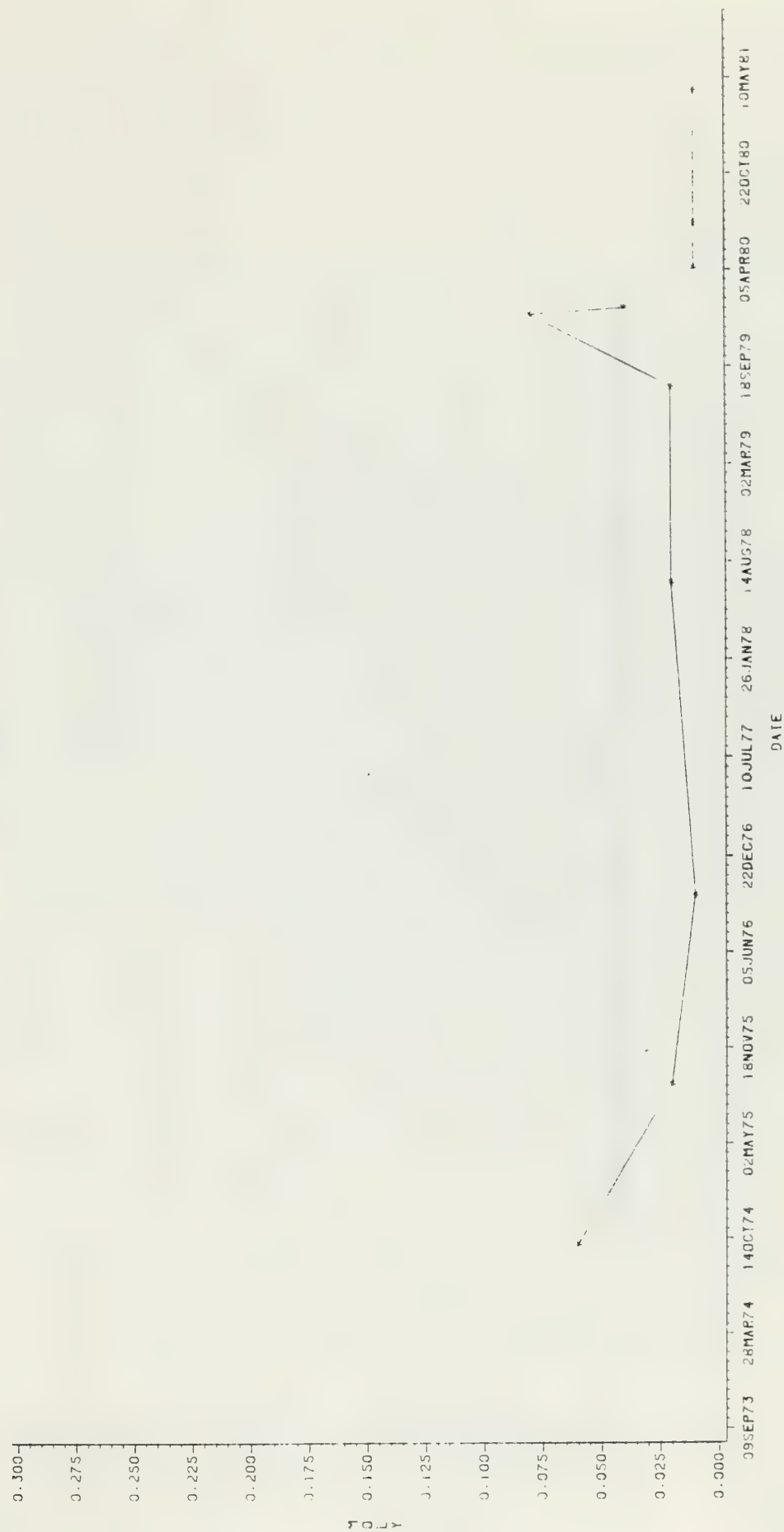
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS07



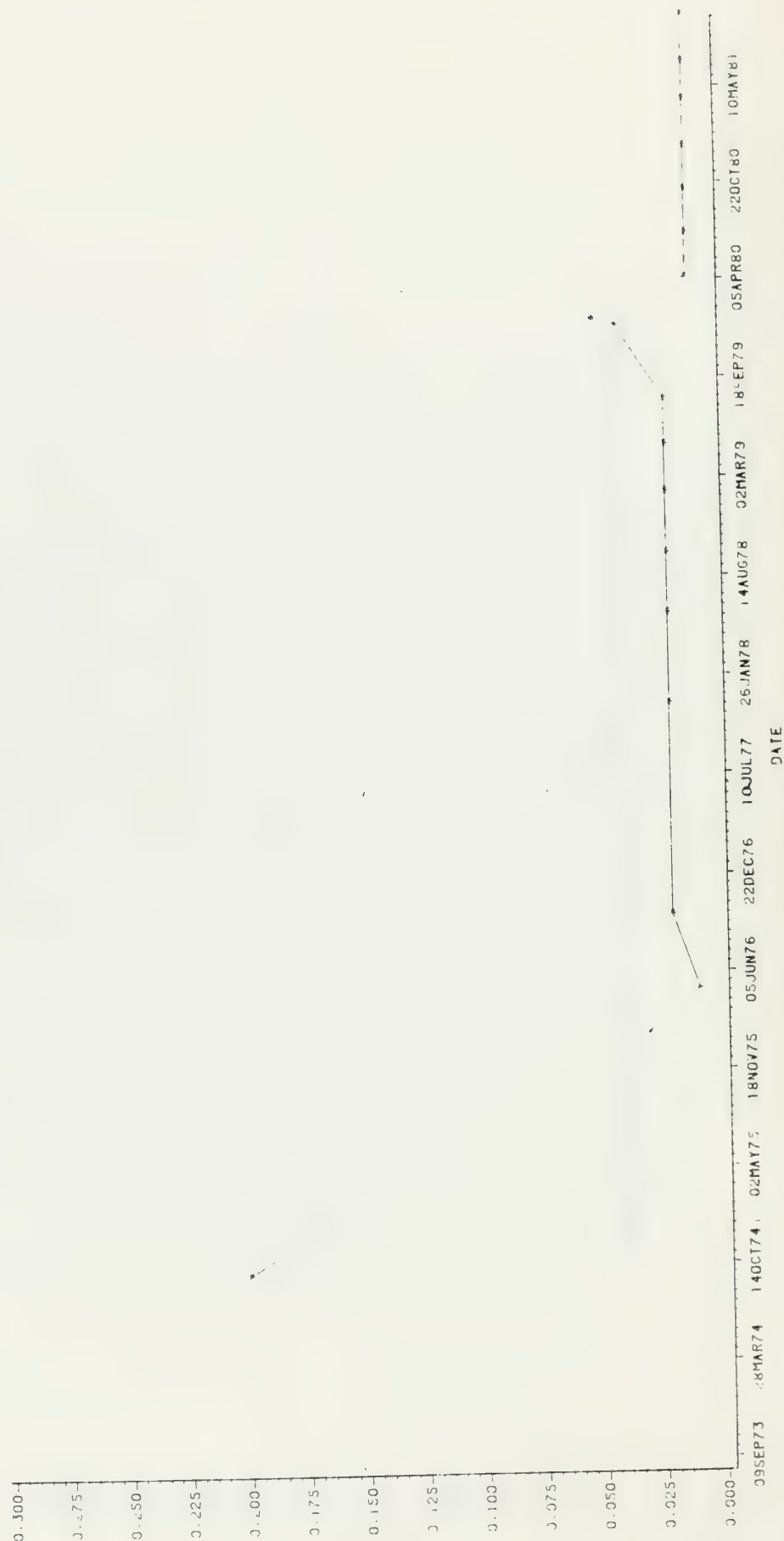
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS08



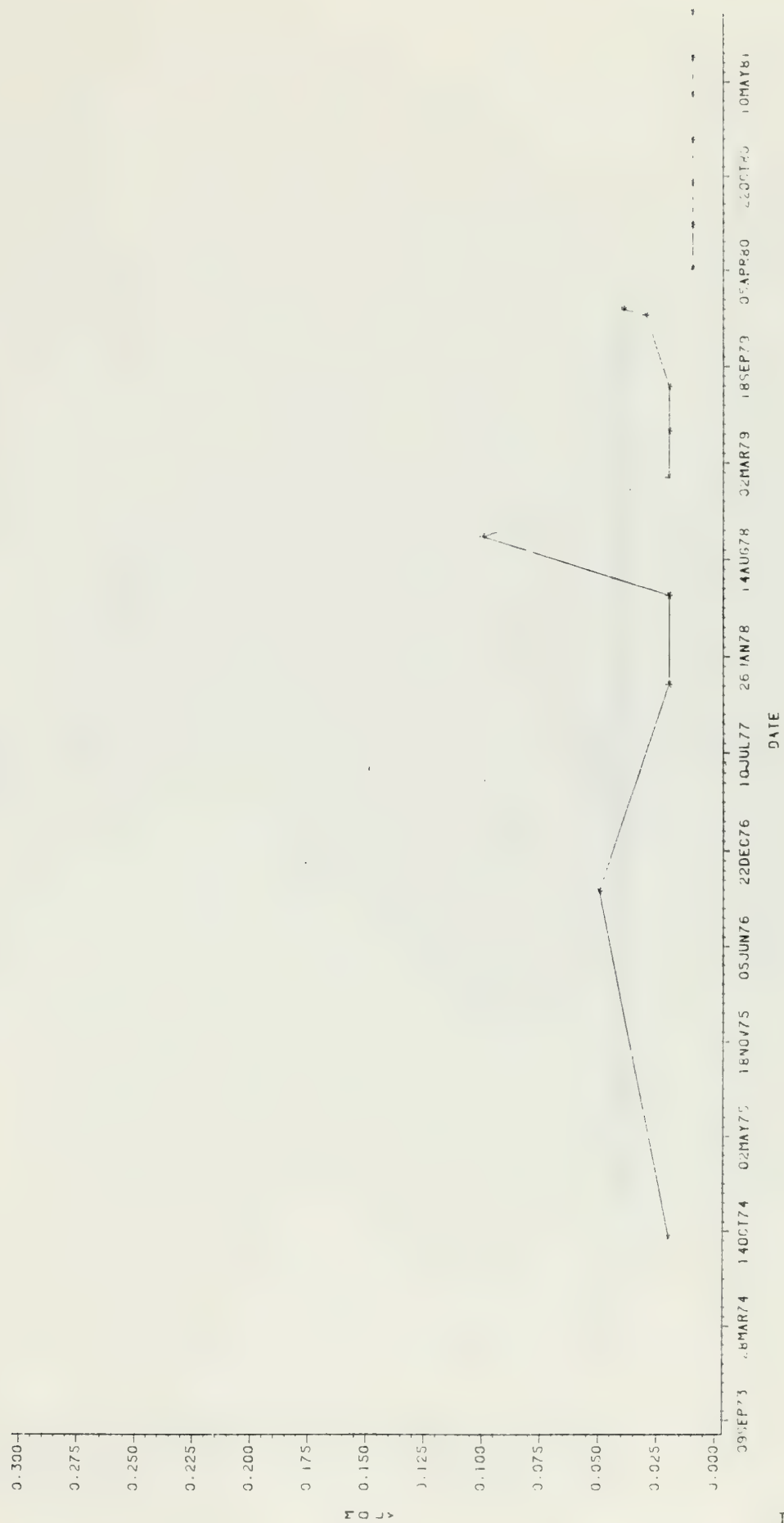
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOG=MS09



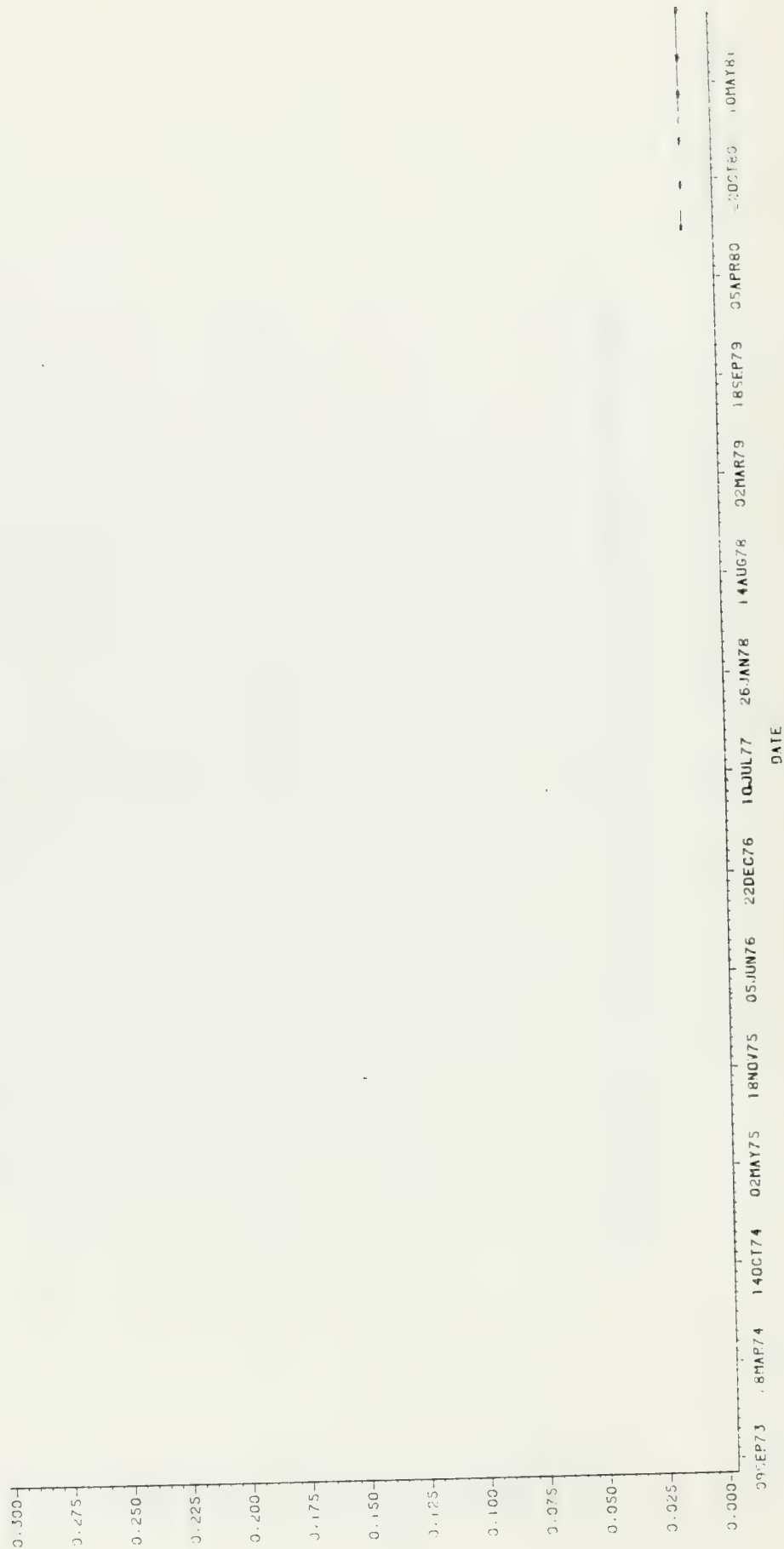
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS10



TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS11



TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS12

0.300
0.275
0.250
0.225
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000

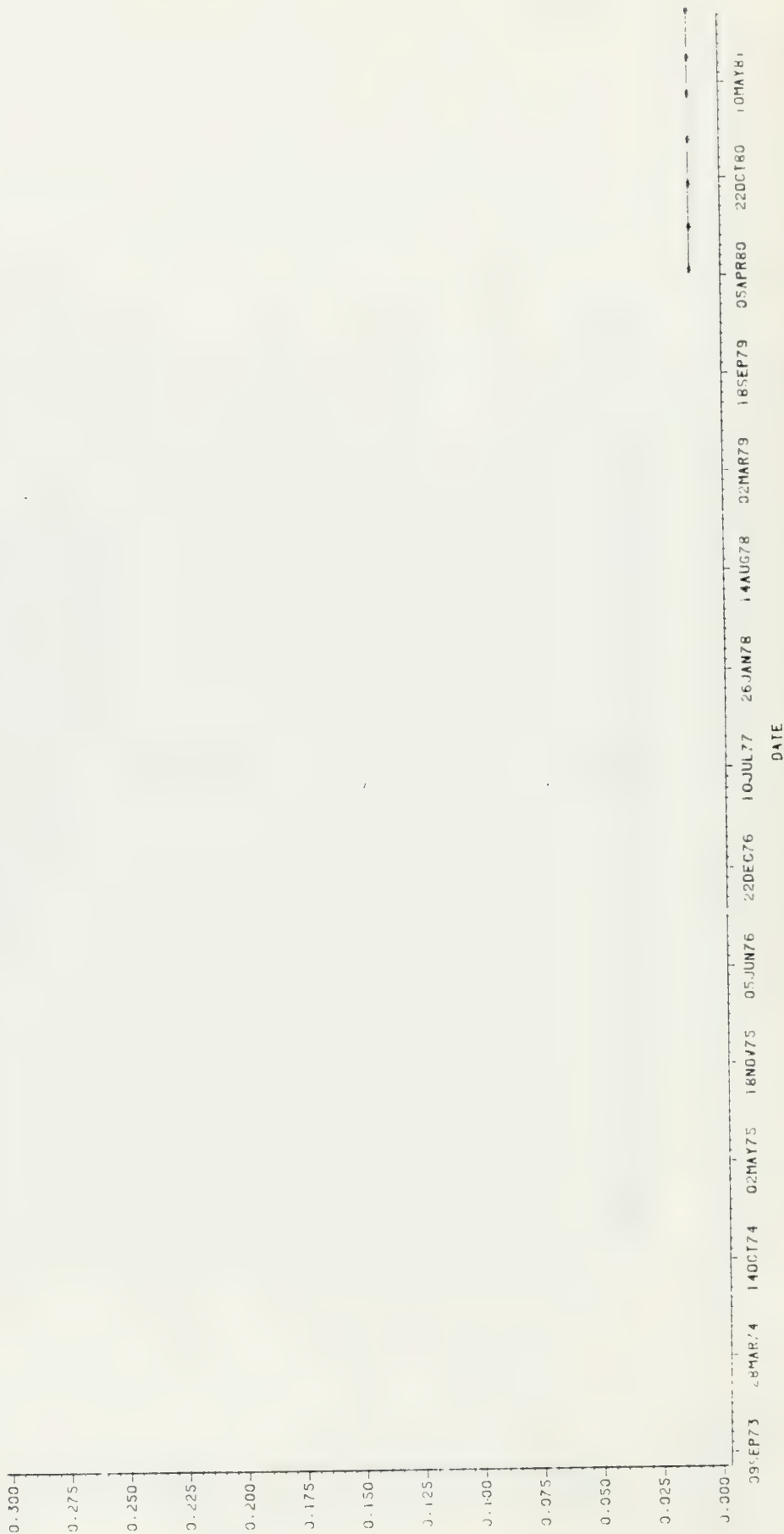
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09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81

DATE

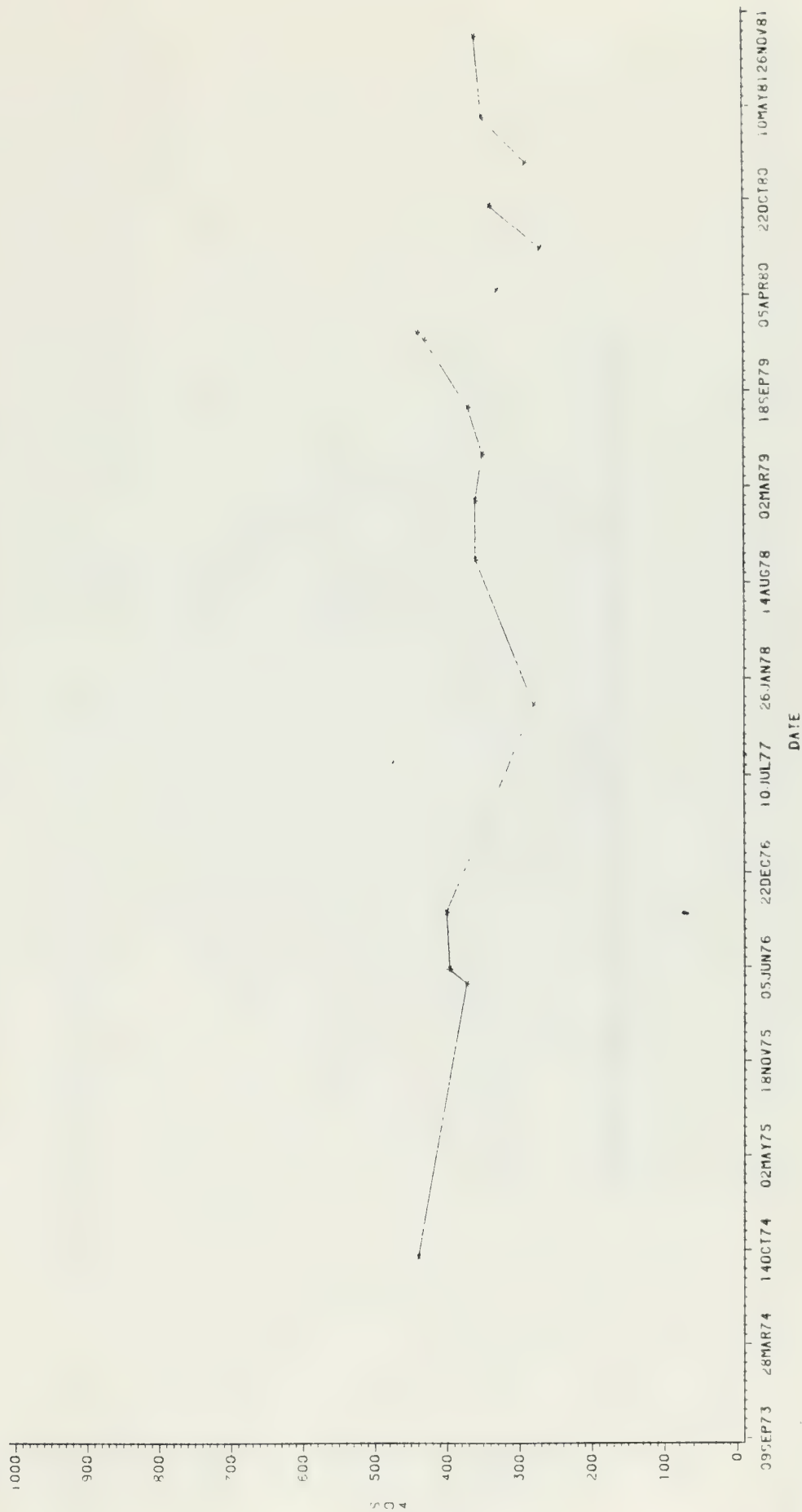
TIME SERIES PLOT OF MOLYBDENUM FOR SPRINGS AND SEEPS

LOC=WS36



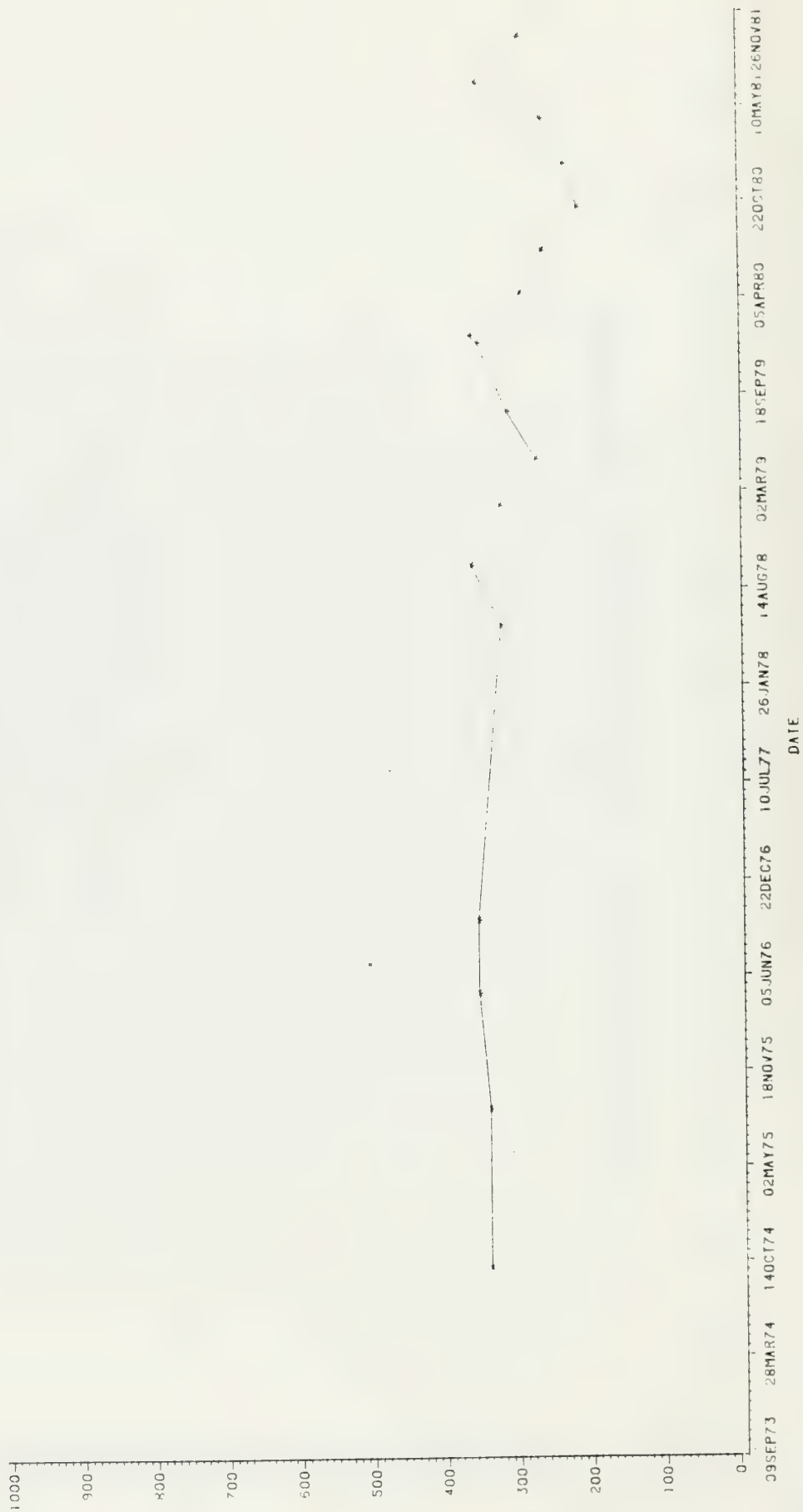
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS01



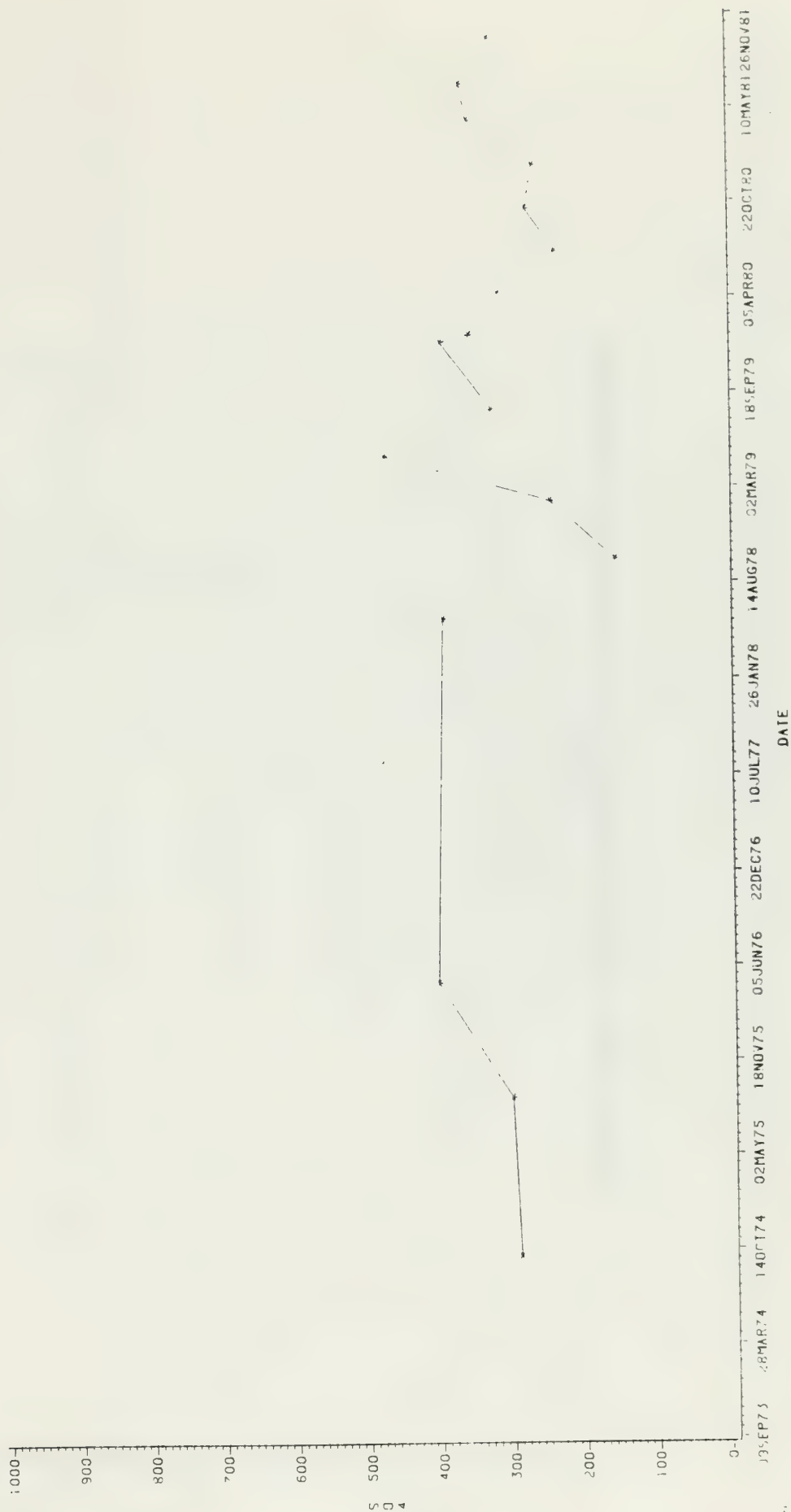
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS02



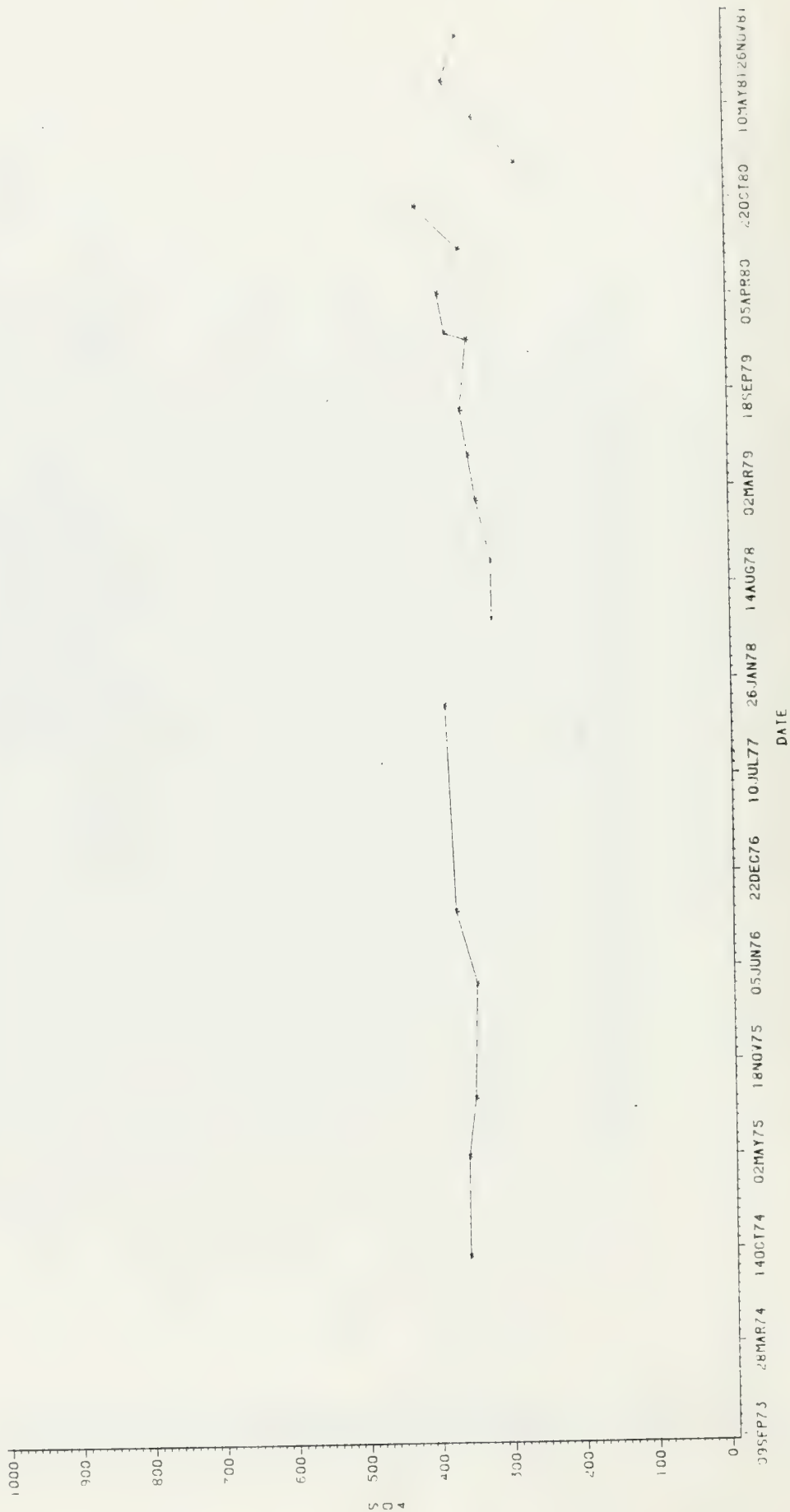
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS04



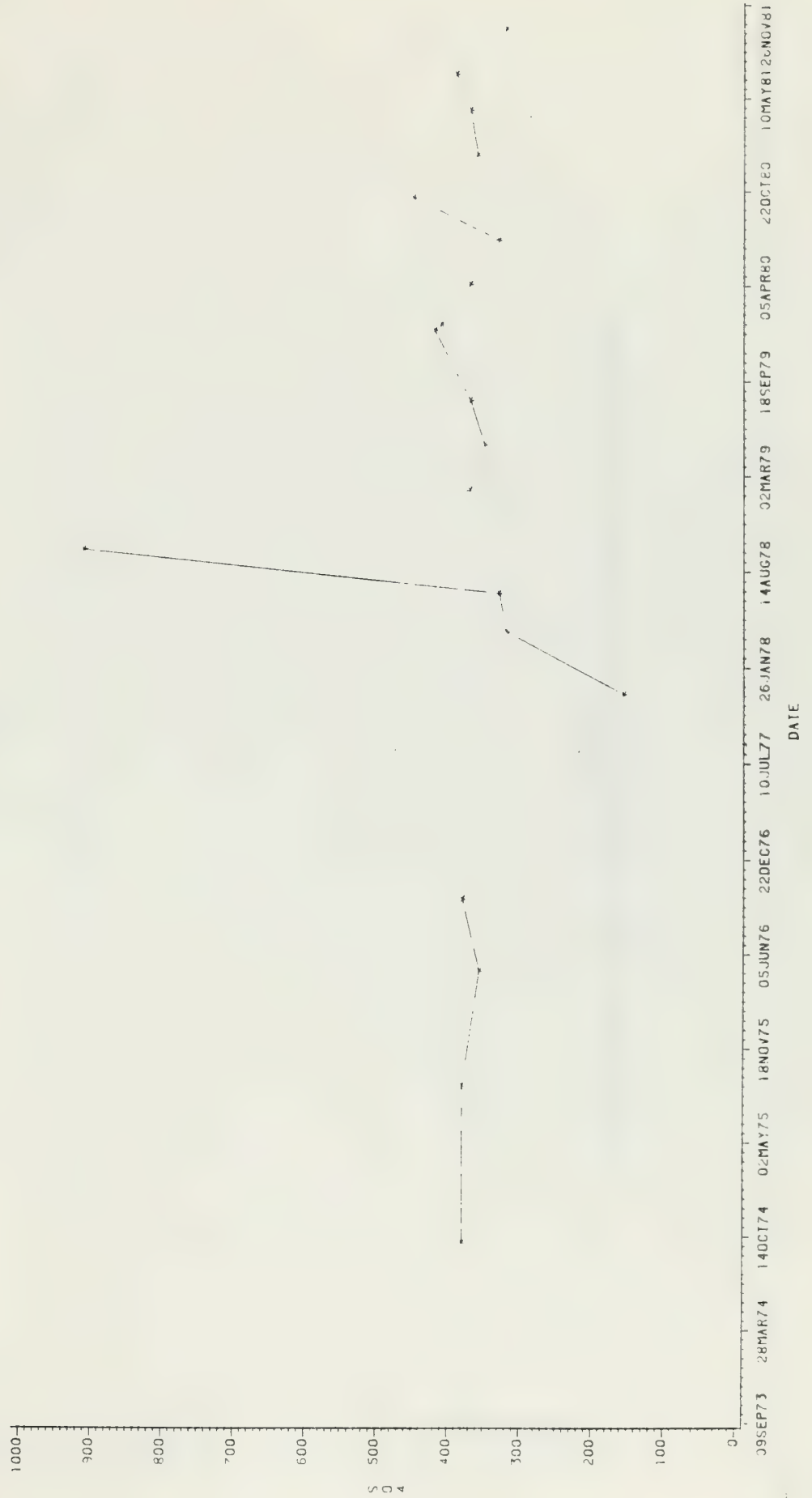
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS06



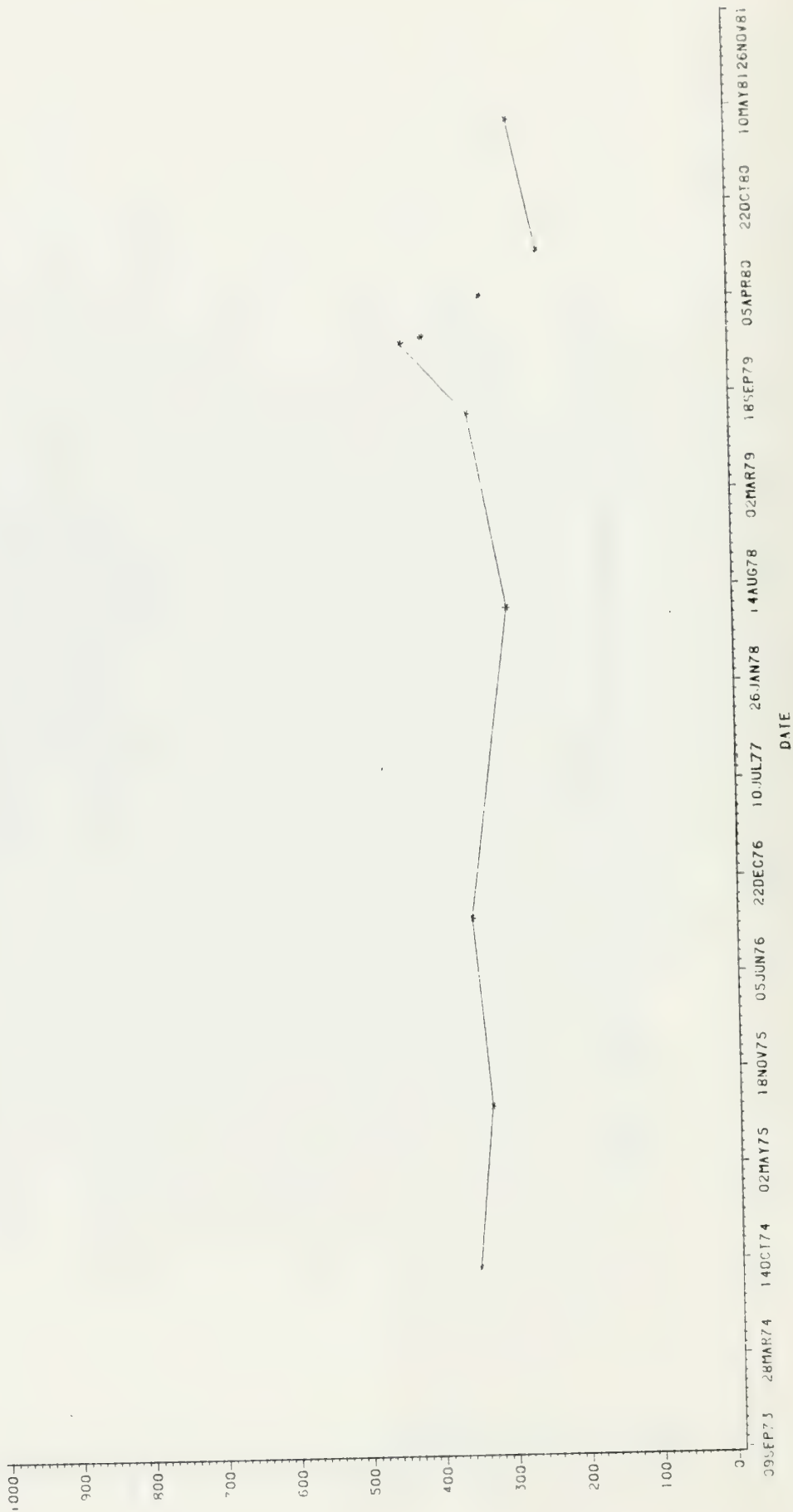
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=MS07



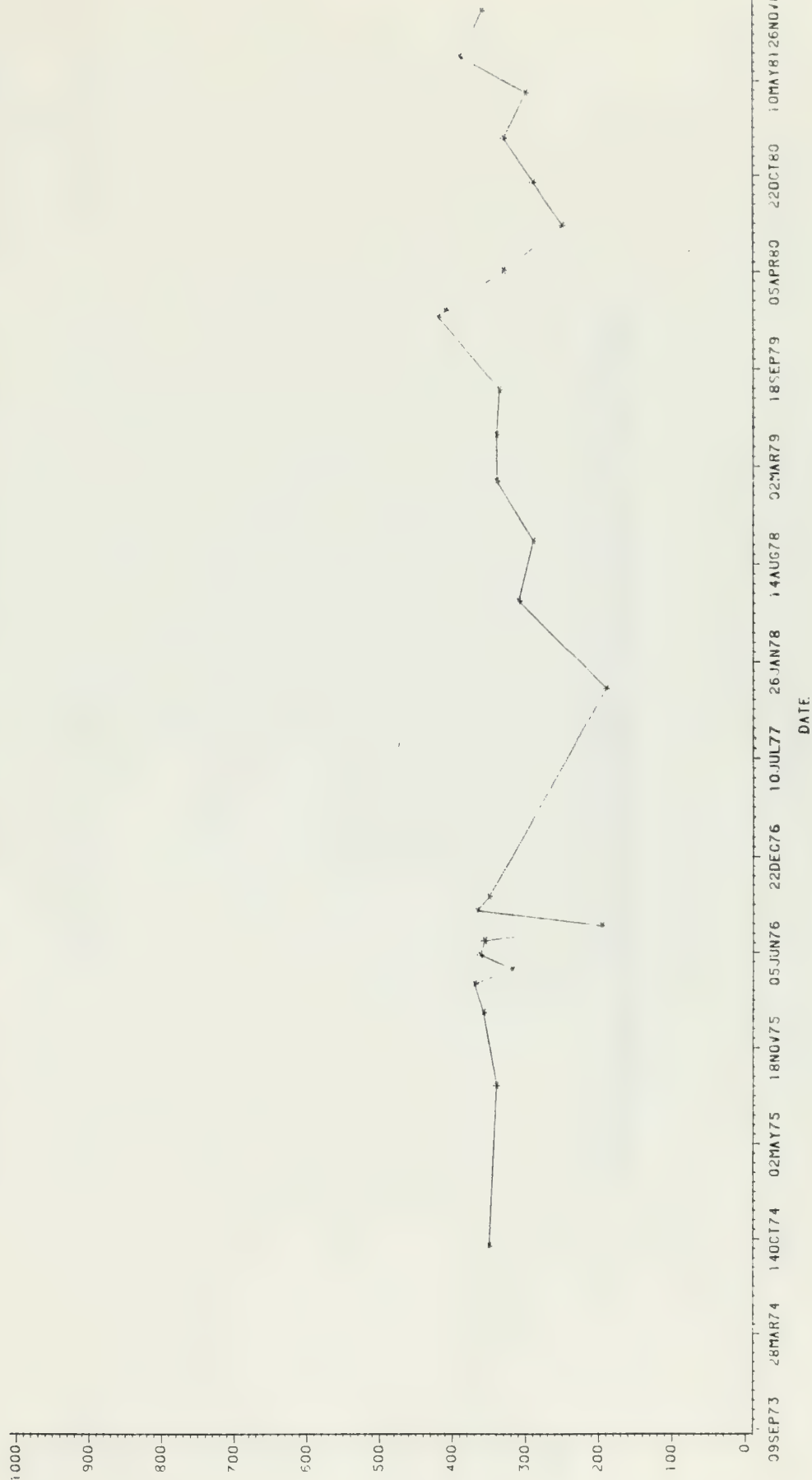
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=MS08



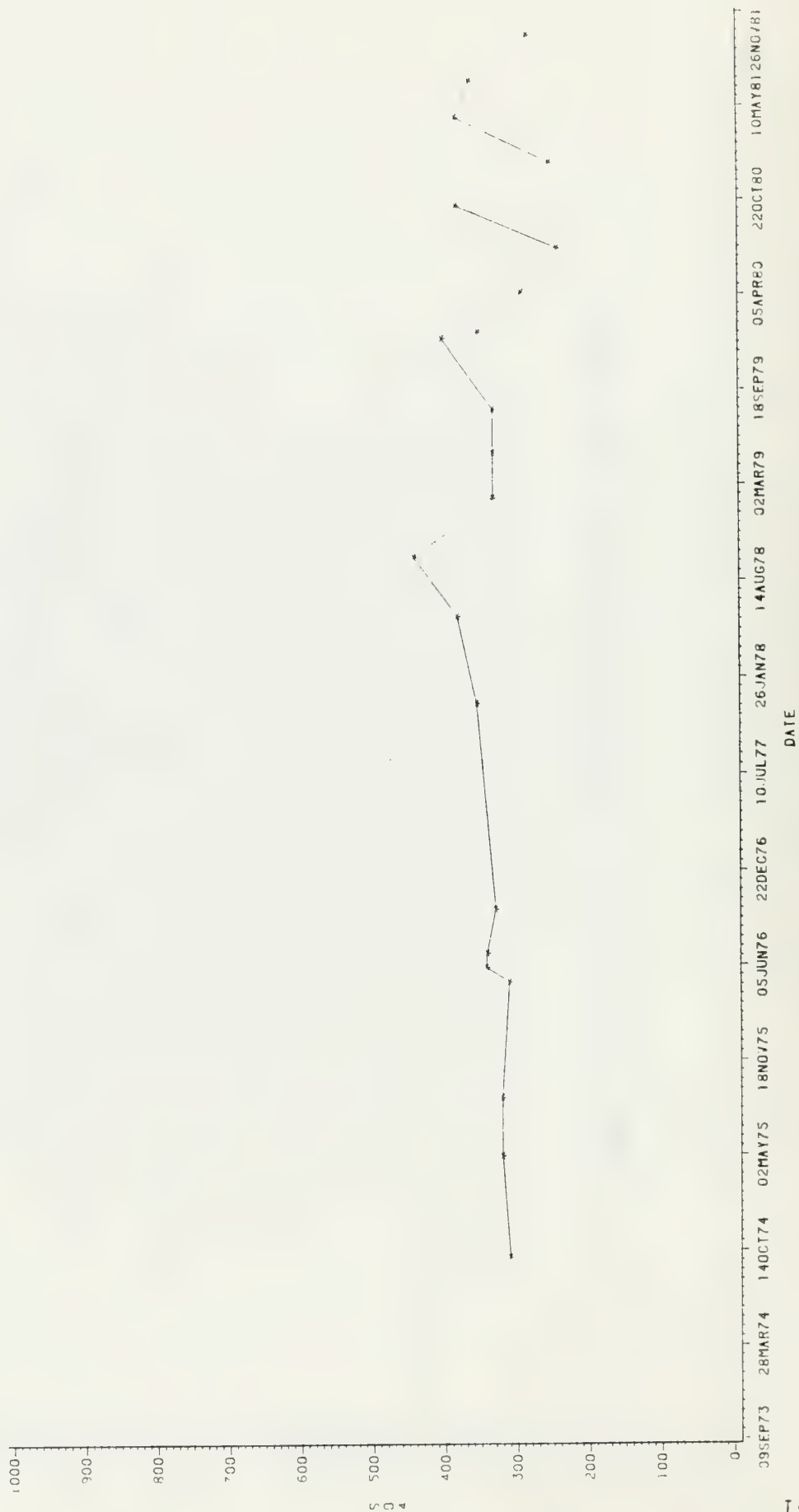
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS09



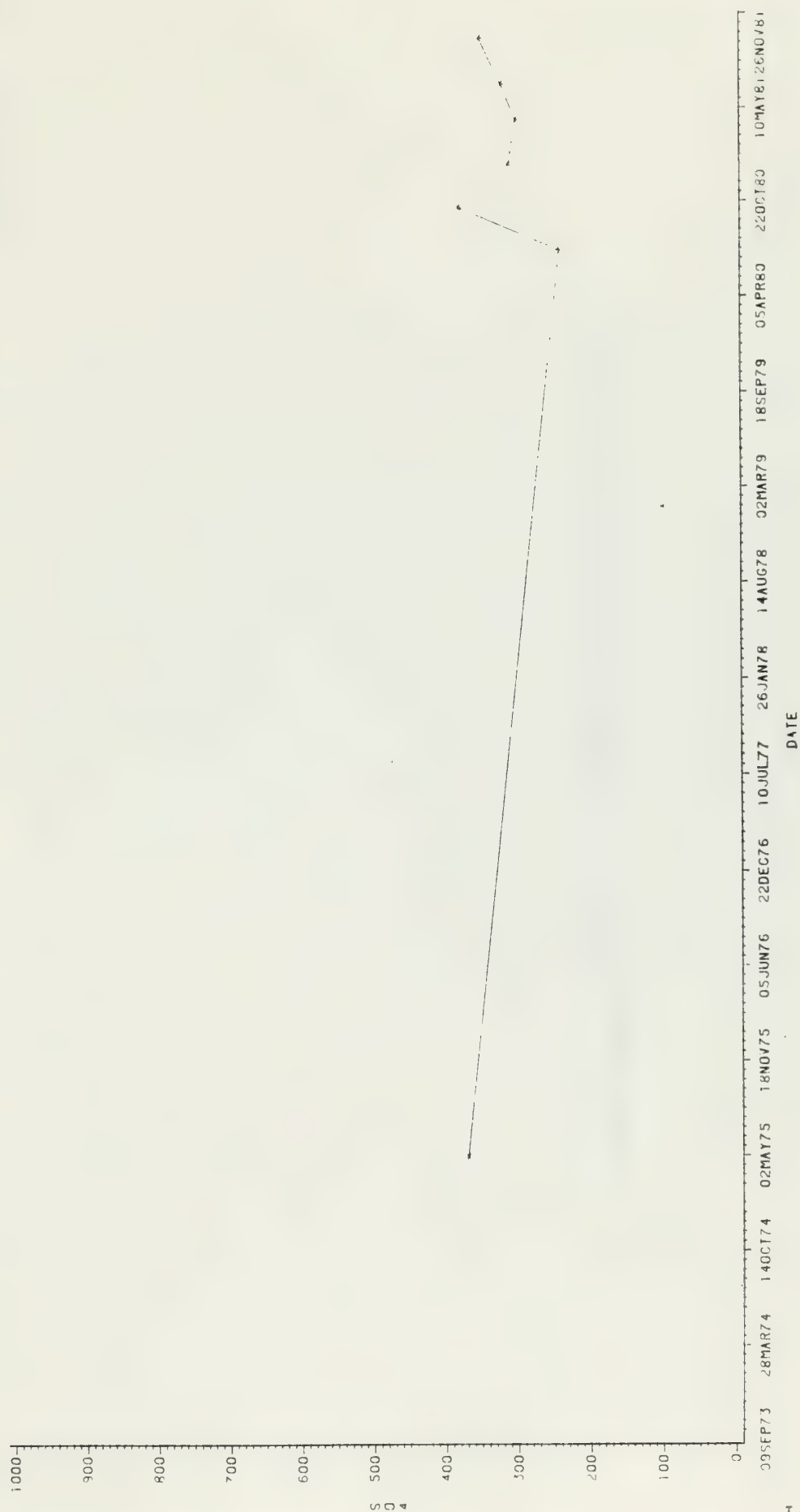
TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=MS10



TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS11



TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOG-WS12

1000
900
800
700
600
500
400
300
200
100
0

S
3
4

09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

TIME SERIES PLOT OF SULFATE FOR SPRINGS AND SEEPS

LOC=WS36

1000
900
800
700
600
500
400
300
200
100
0

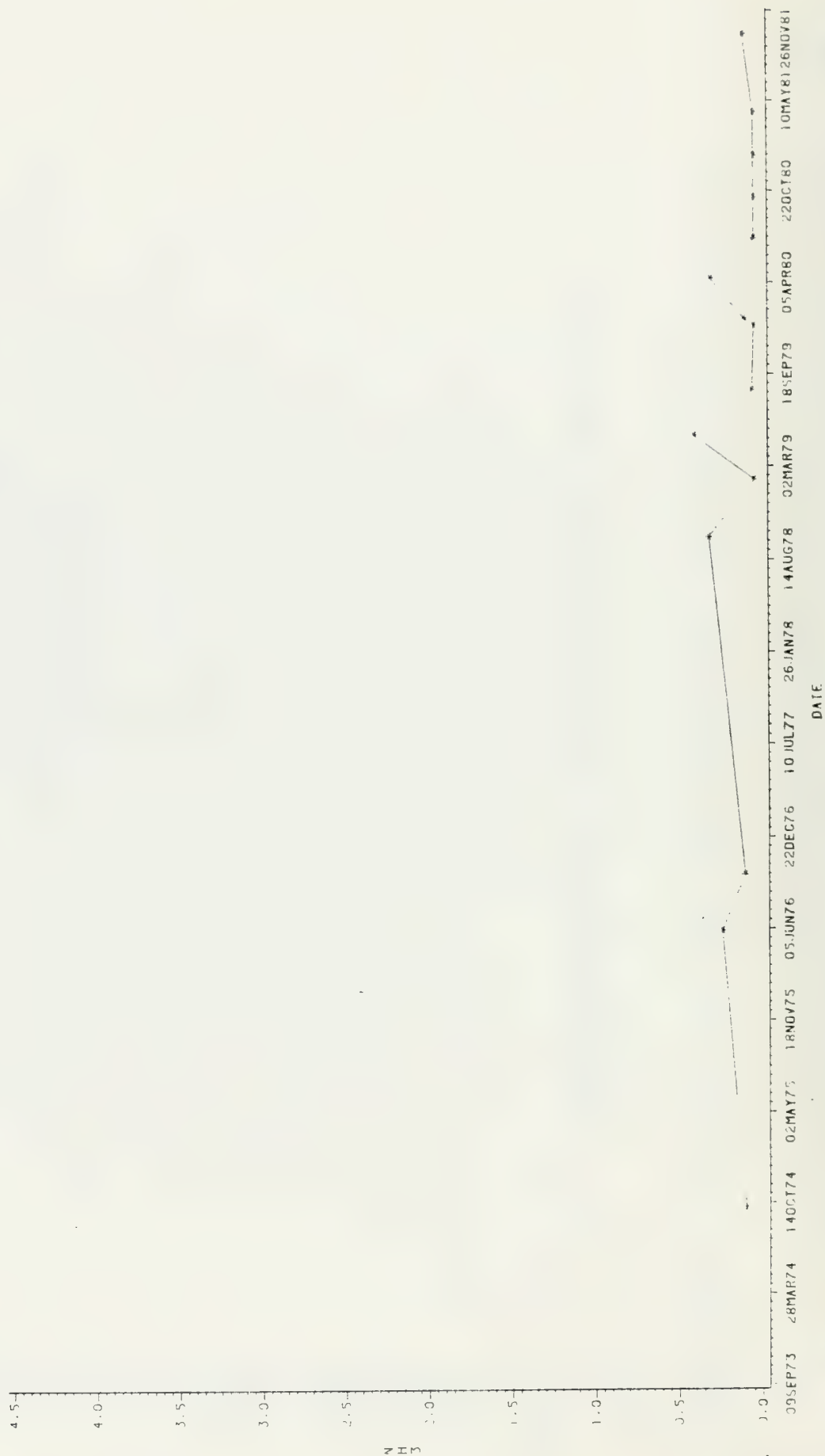
S
O
4

09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

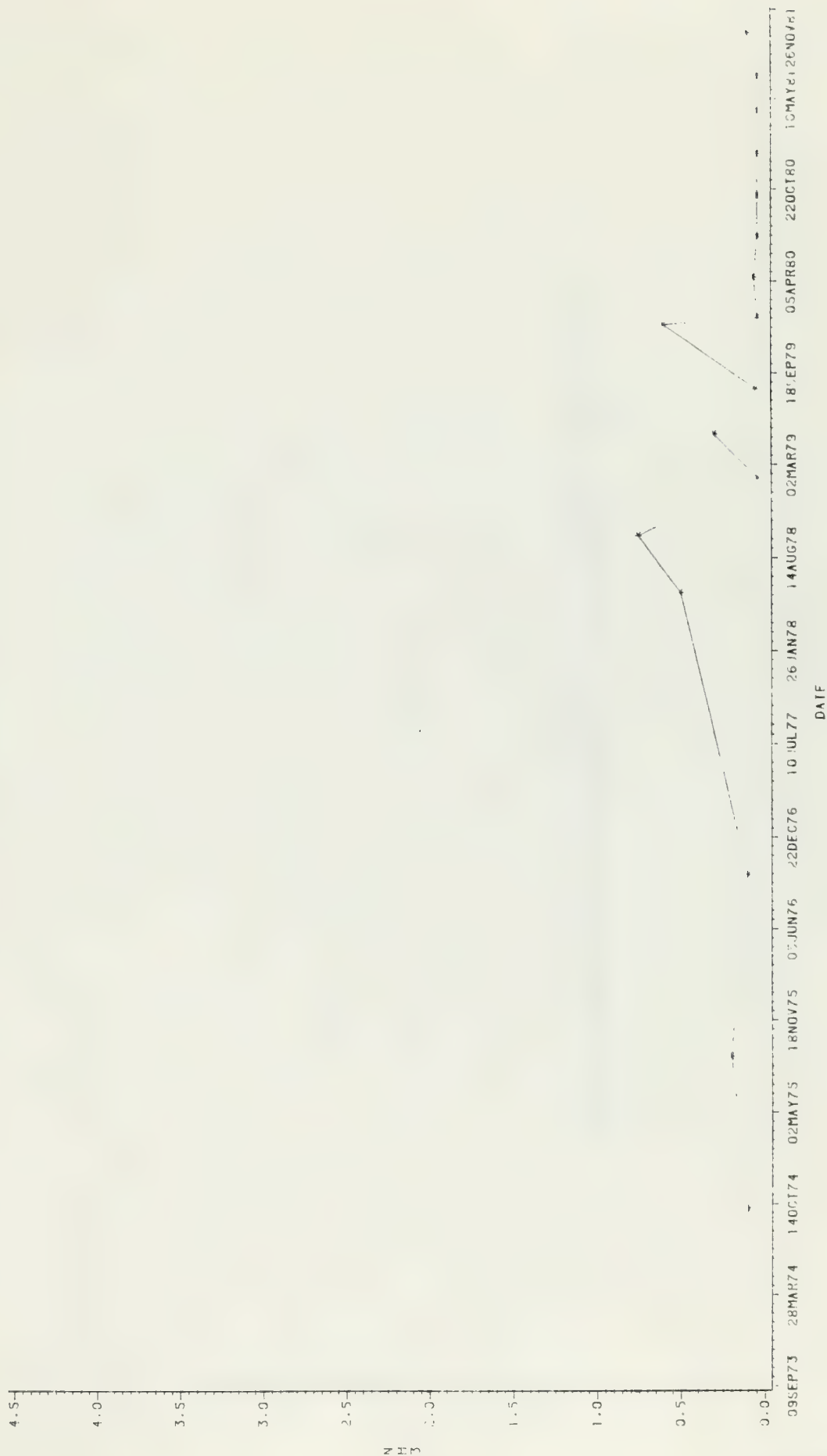
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS01



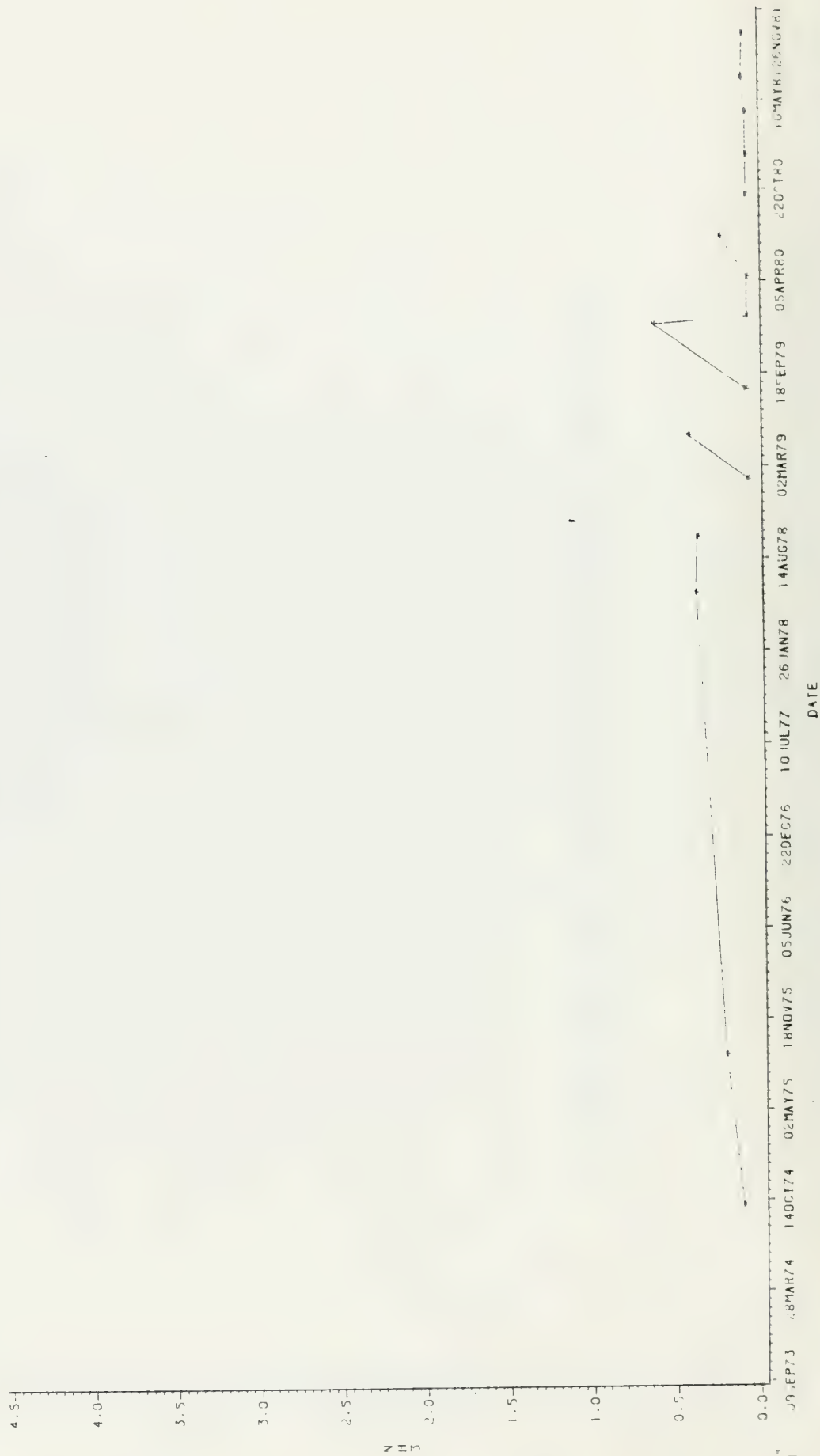
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=NS02



TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=MS04



NH3

1 1 2

TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS06

4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0

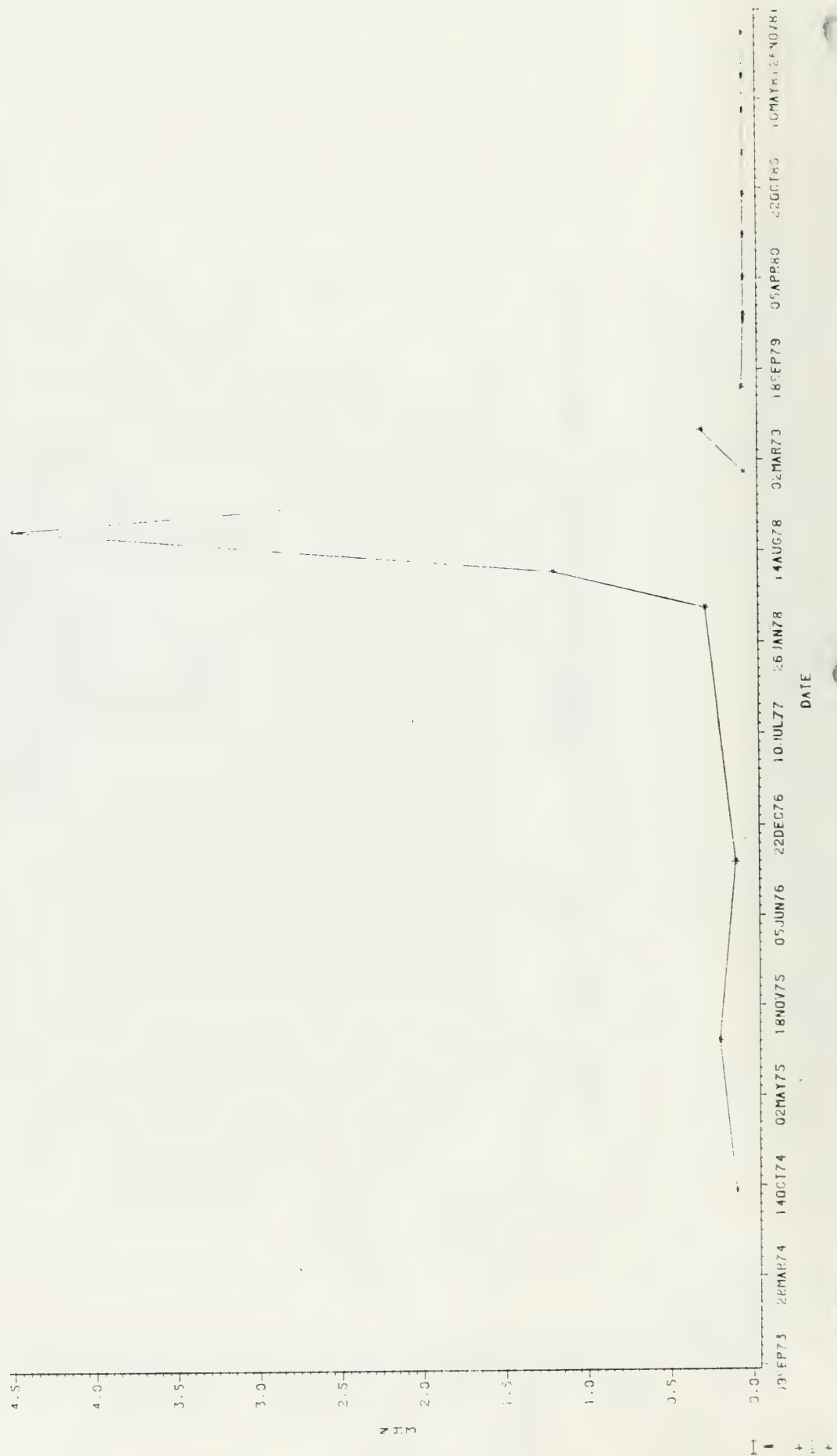
N H S

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1
1

DATE															
09-EP73	18MAR74	14OCT74	02MAY75	18NOV75	05JUN76	22DEC76	10JUL77	26JAN78	14AUG78	02MAR79	18-EP79	05APR80	22OCT80	10MAY81	26NOV81

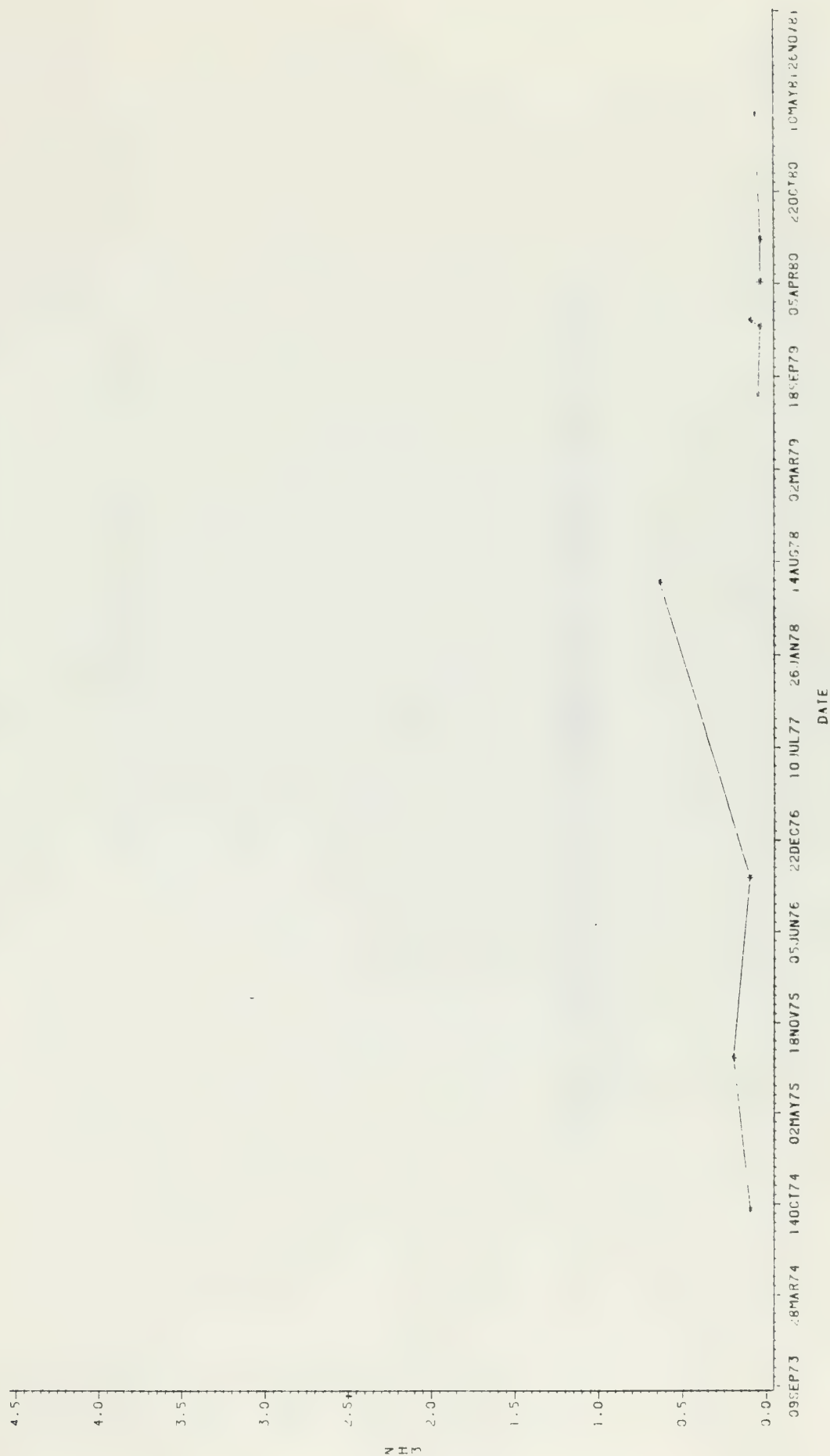
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

L00=WS07



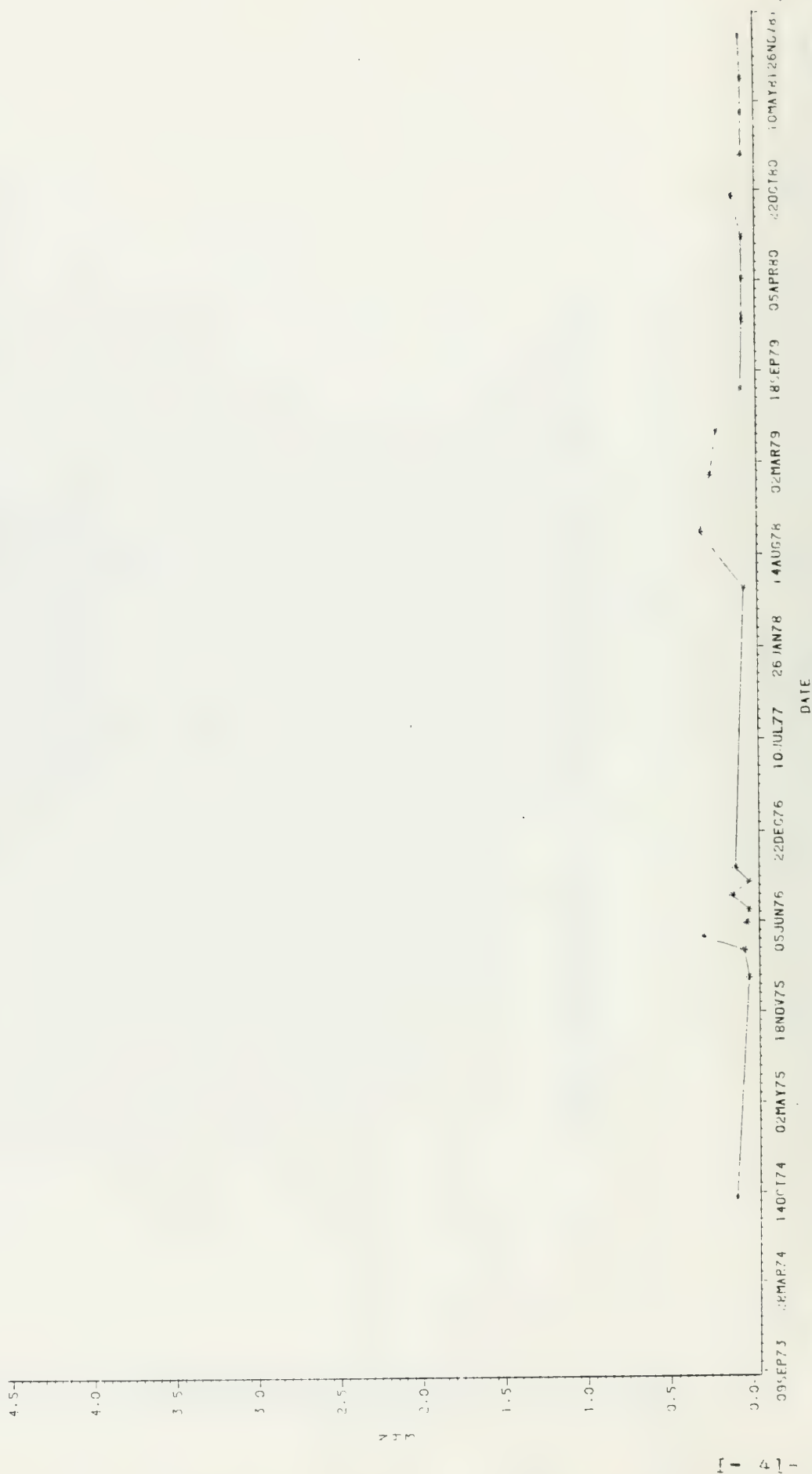
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS08



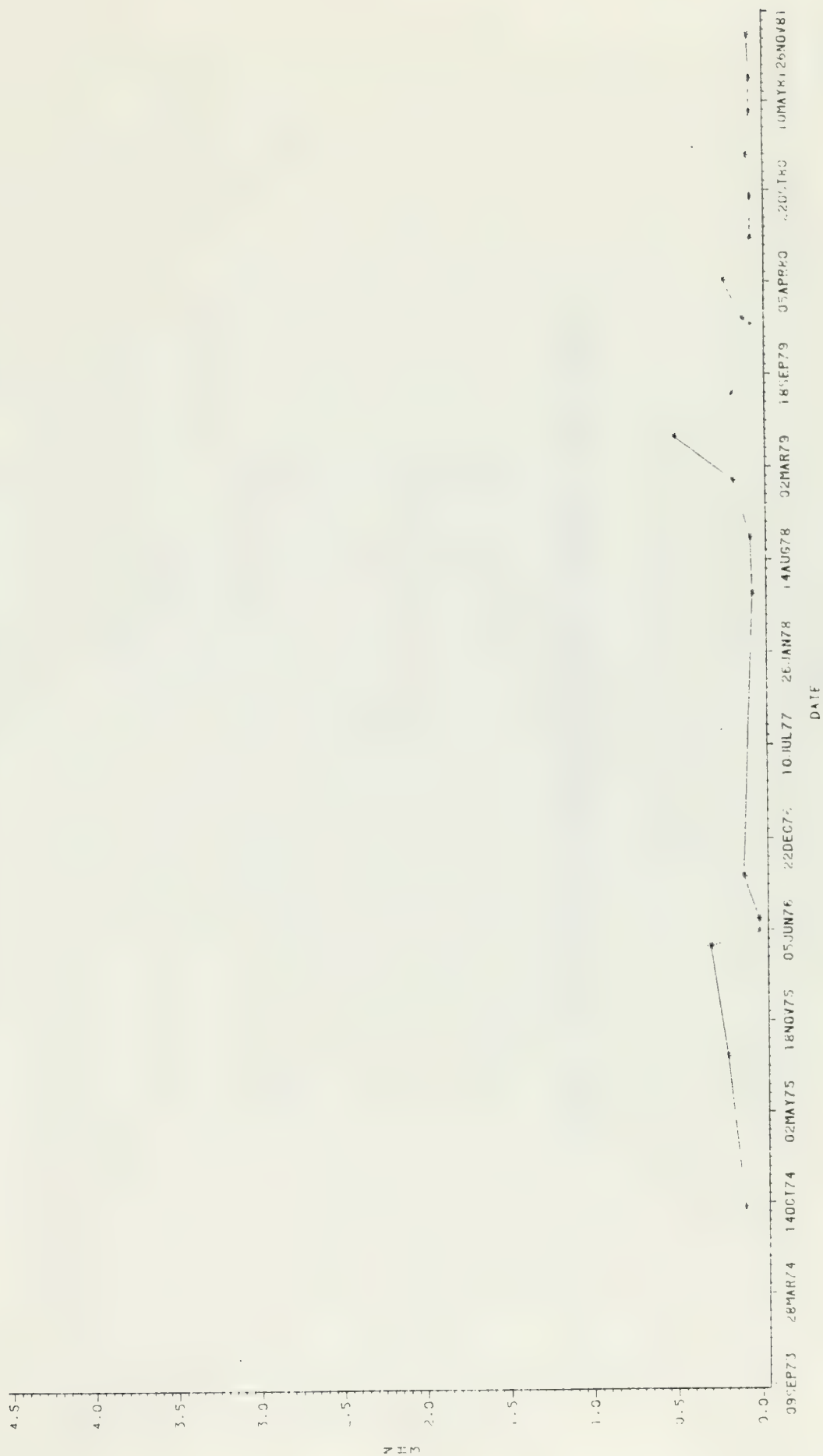
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS09



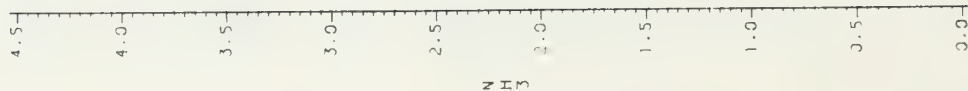
TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS10



TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS11



DATE	09SEP73	28MAR74	14OCT74	02MAY75	18NOV75	05JUN76	22DEC76	10JUL77	26JAN78	14AUG78	02MAR79	18SEP79	05APR80	22OCT80	10MAY81	26NOV81
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TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS12

4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0

N
H
3

19SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

TIME SERIES PLOT OF AMMONIA FOR SPRINGS AND SEEPS

LOC=WS36

4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0

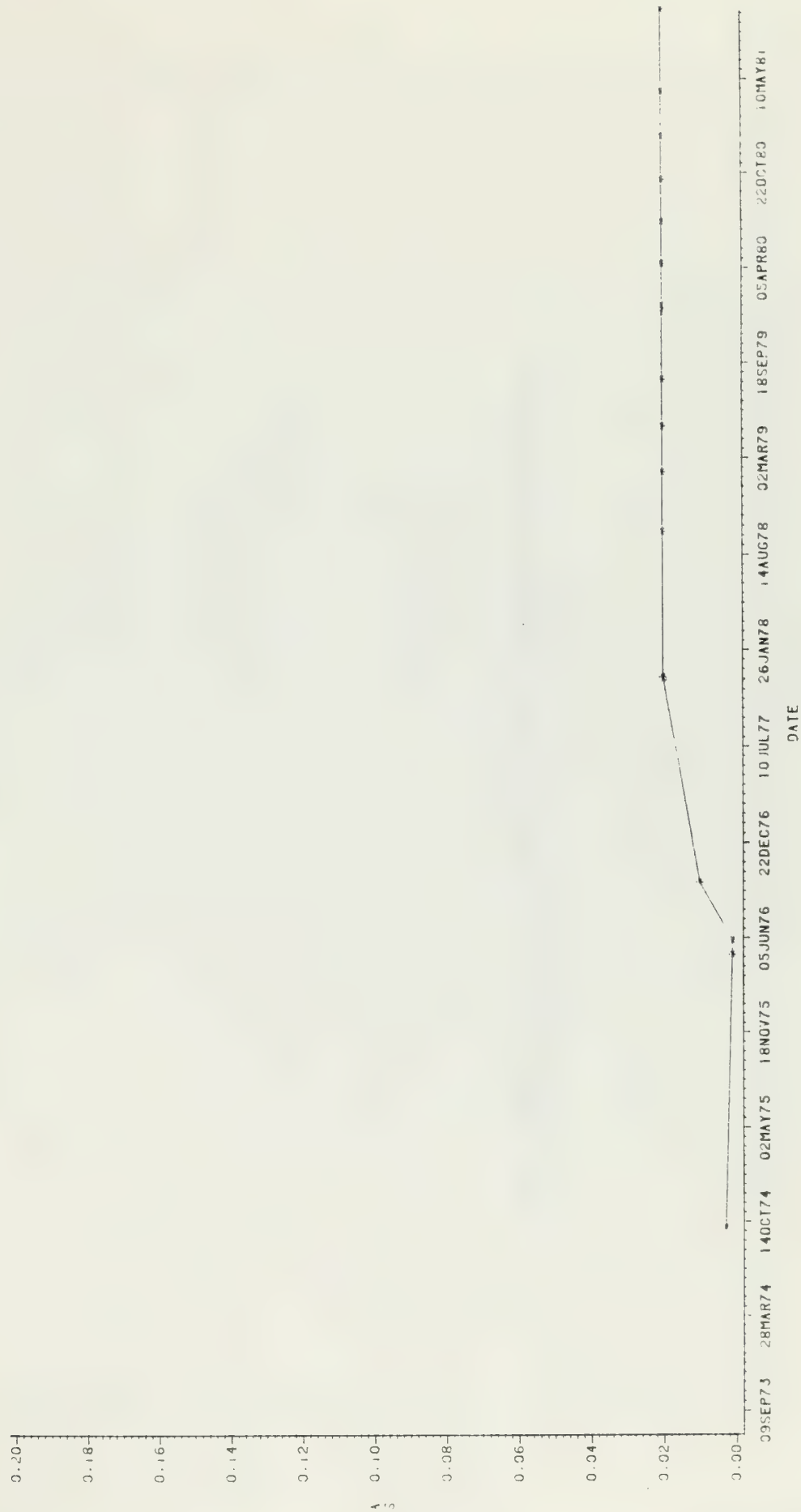
Y
H
3

09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81 26NOV81

DATE

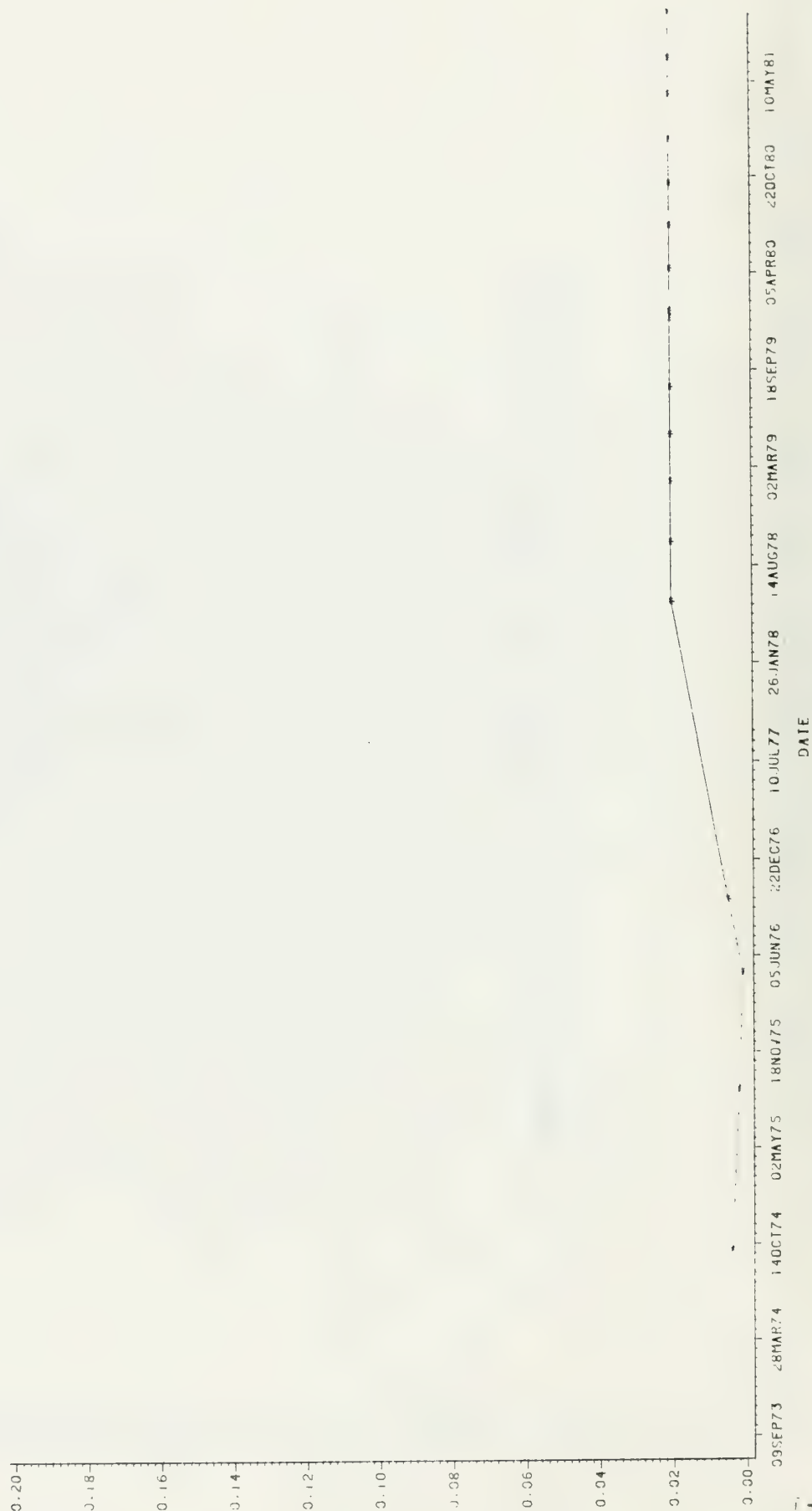
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=MS01



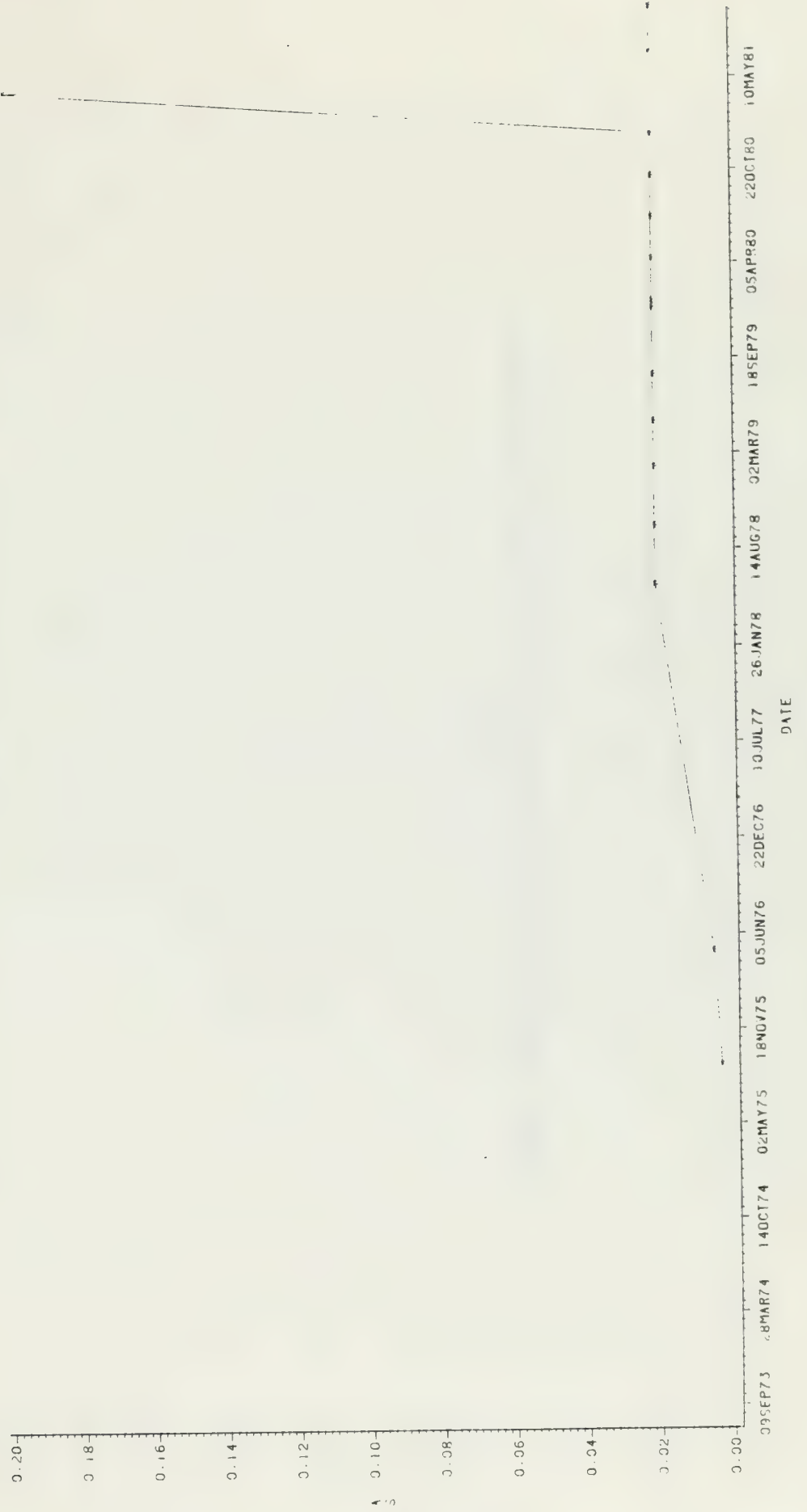
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WSQ2



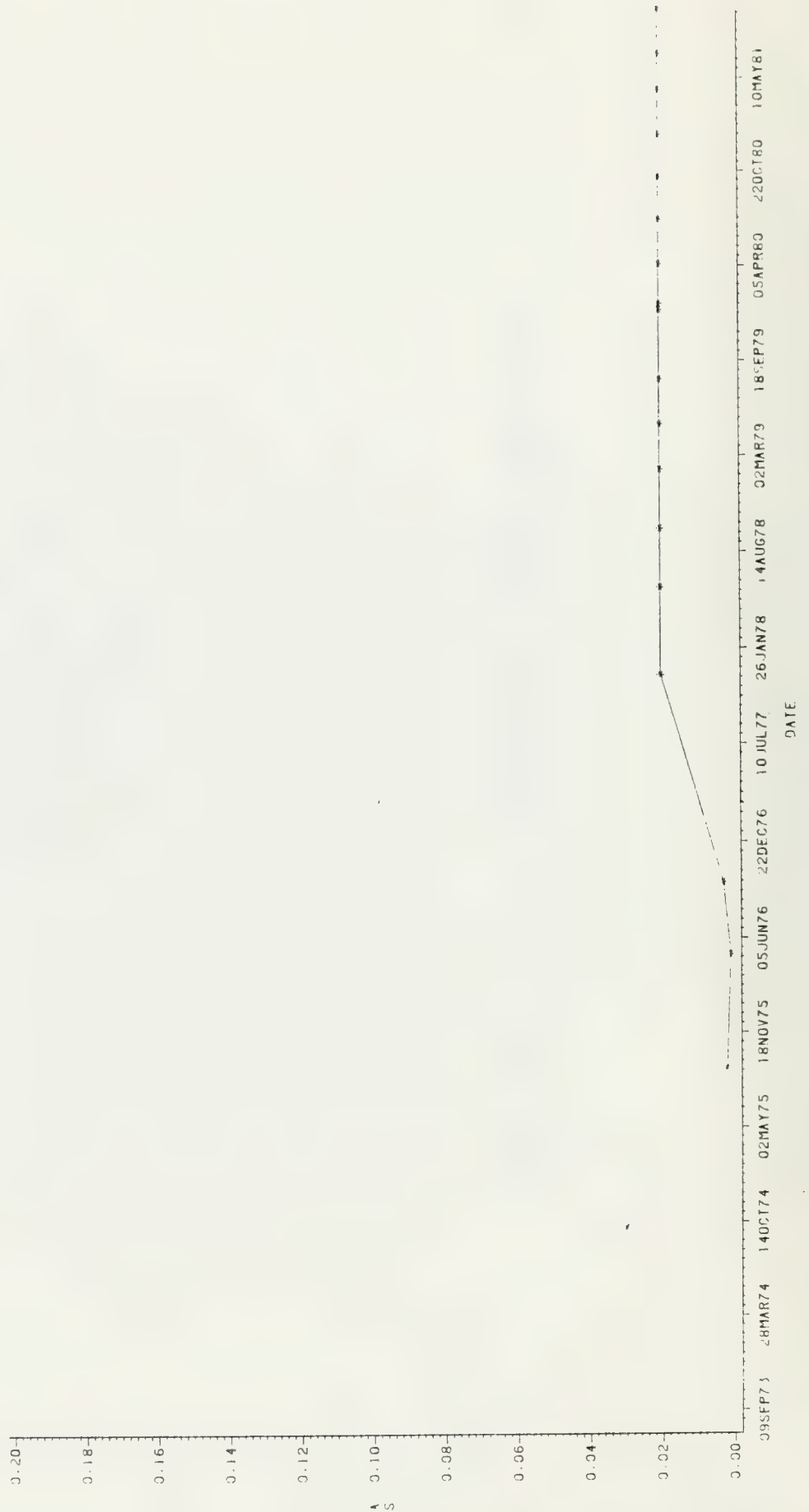
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS04



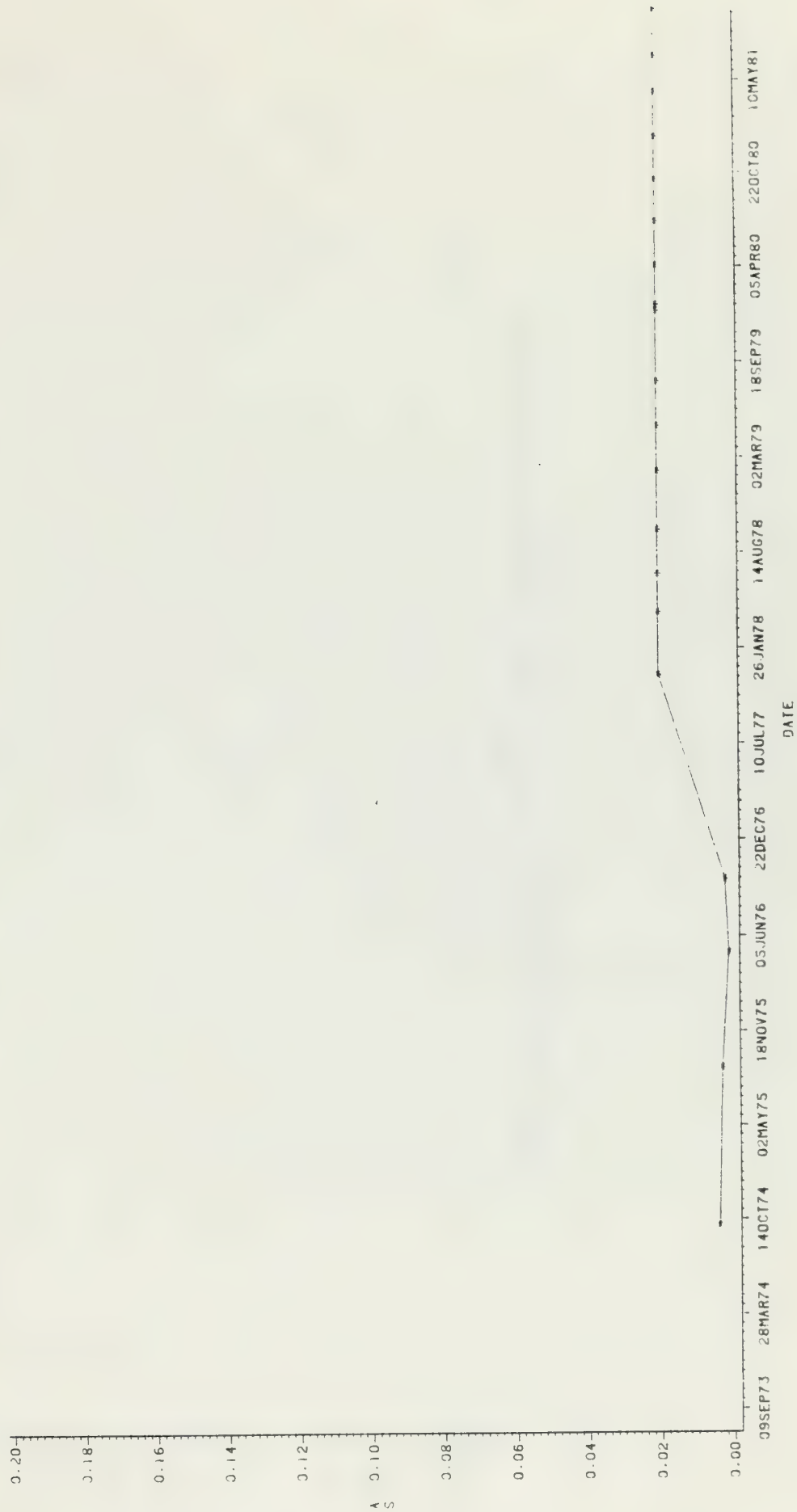
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS06



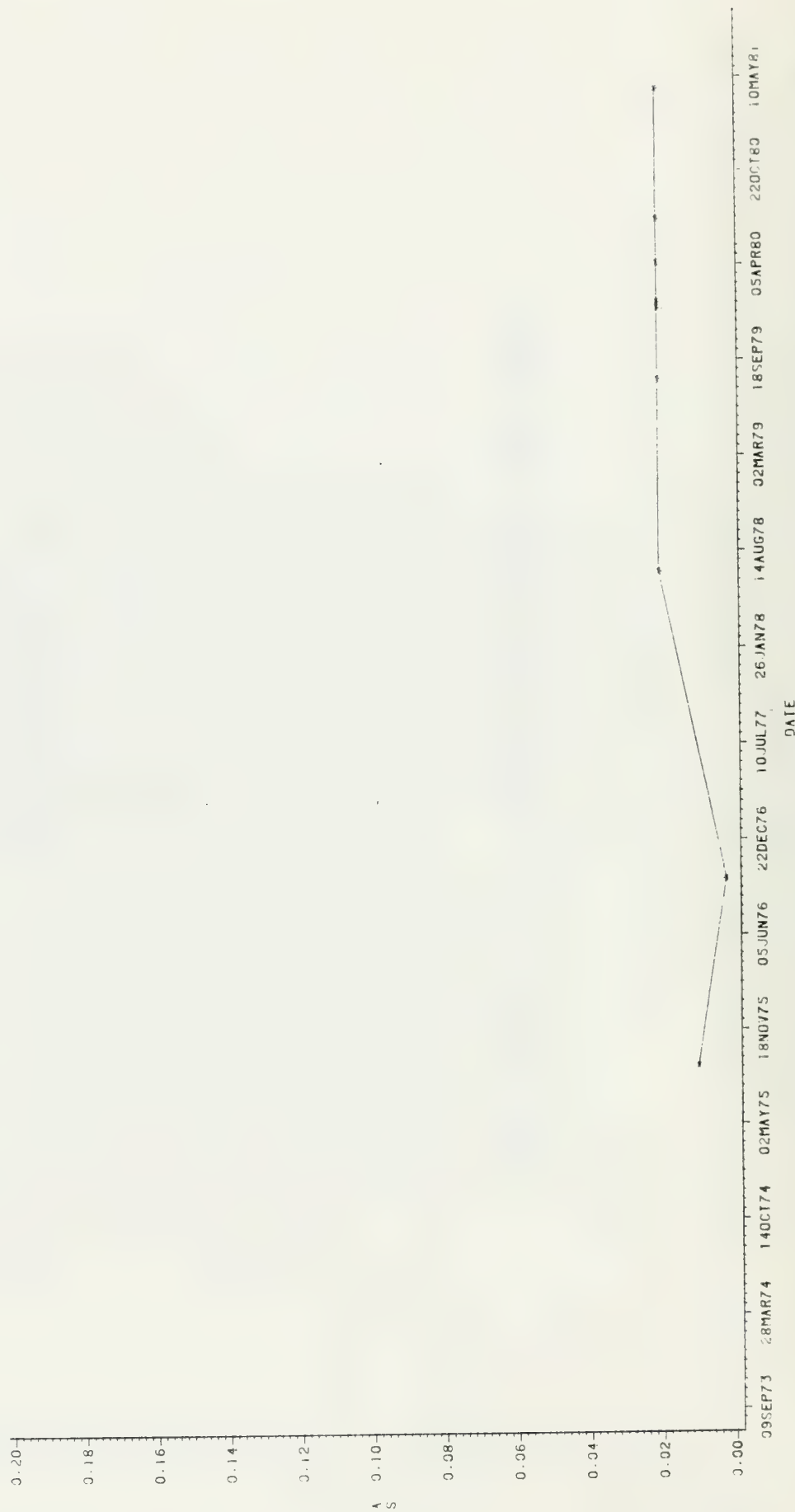
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS07



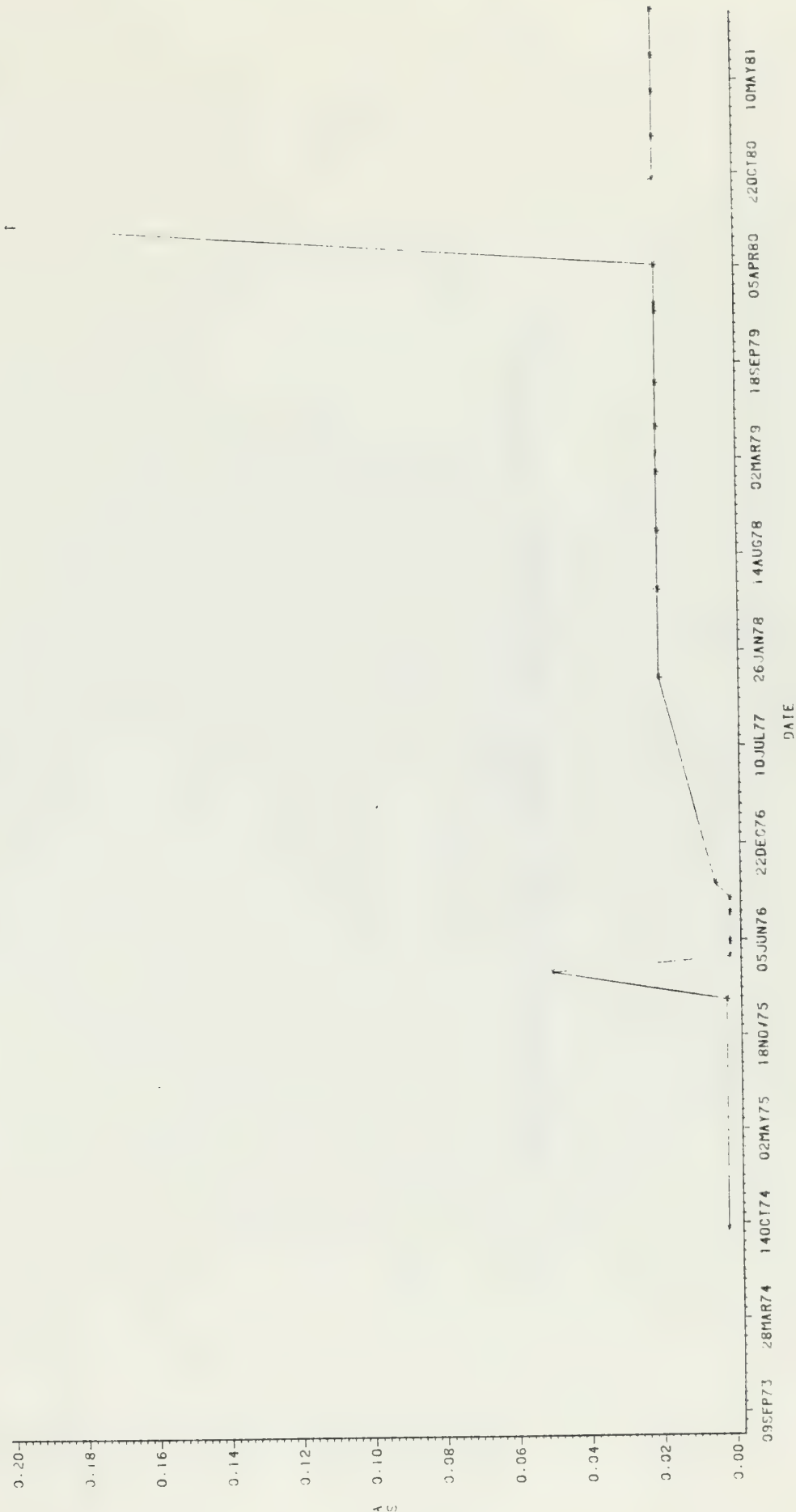
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS08



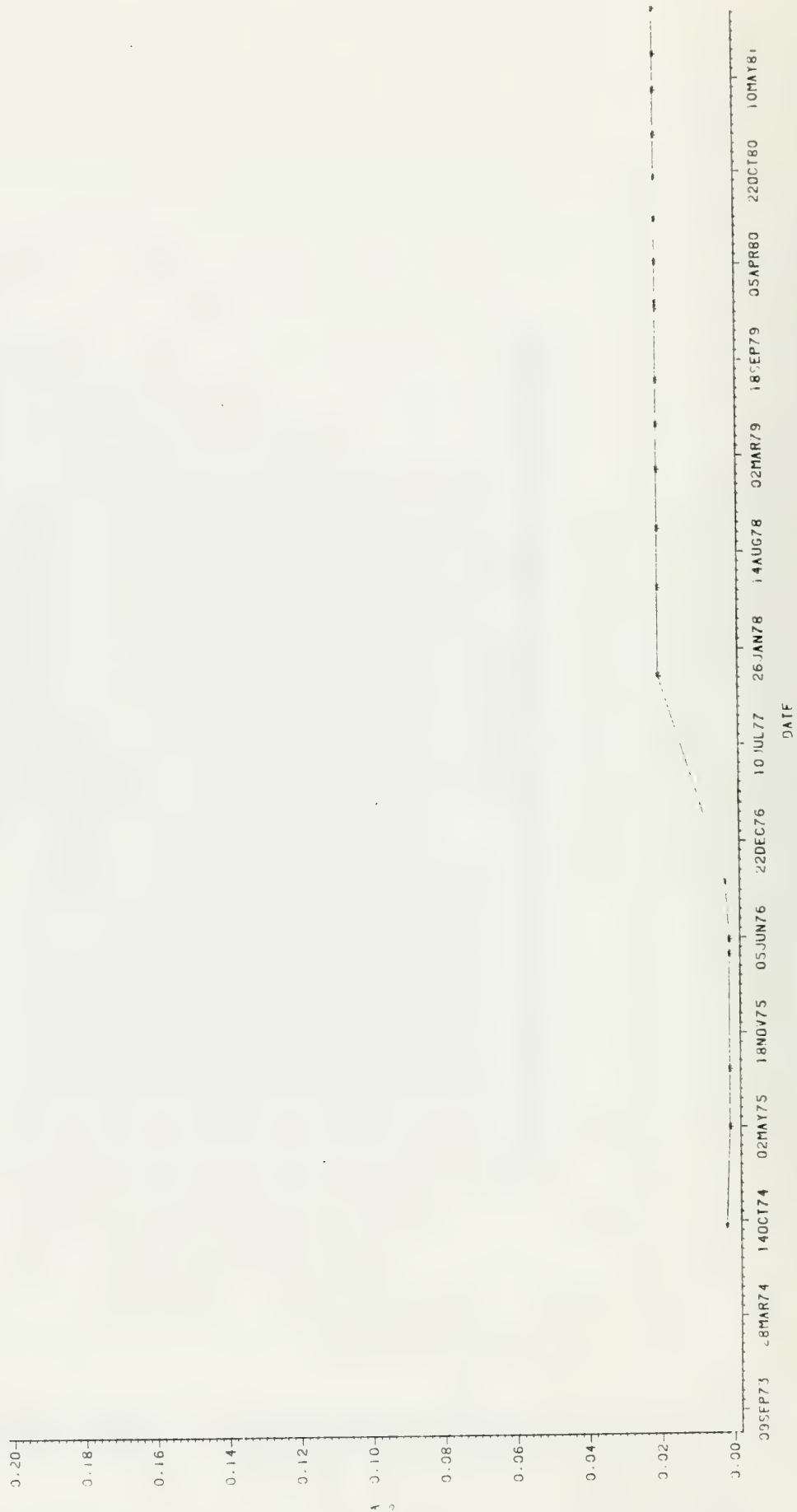
TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS09



TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS10



TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS11

0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

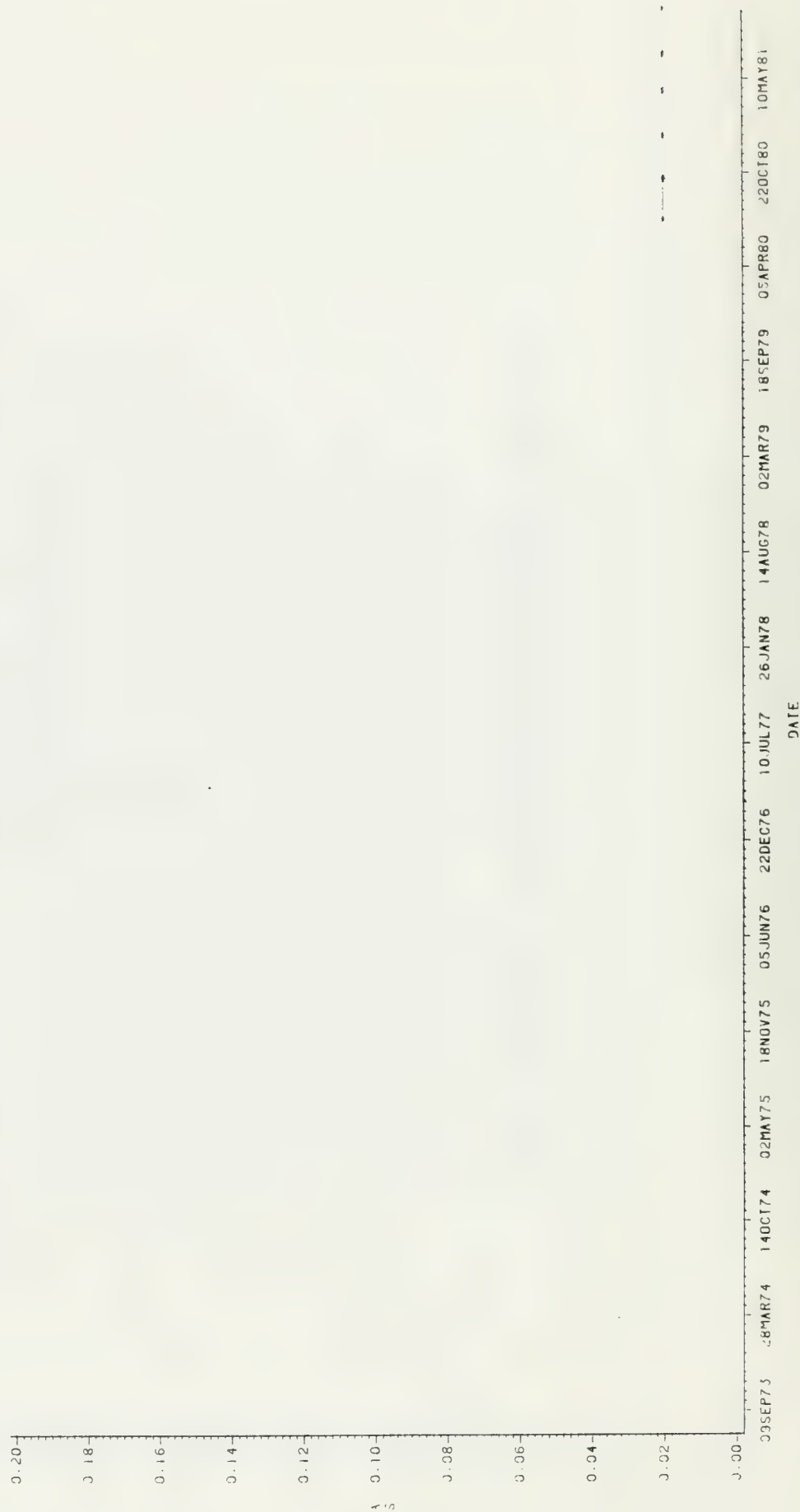
AS

DATE

09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81

TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS12



TIME SERIES PLOT OF ARSENIC FOR SPRINGS AND SEEPS

LOC=WS36

0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

A
S

09SEP73 28MAR74 14OCT74 02MAY75 18NOV75 05JUN76 22DEC76 10JUL77 26JAN78 14AUG78 02MAR79 18SEP79 05APR80 22OCT80 10MAY81

DATE

2.2.2.3 Alluvial Wells

There were no samples taken during this report period (June 1982 through December 1982).

During this reporting period (June - December 1982) water samples remained between the 20% range for these baseline values. If a sample should have to be taken, parameters were to be analyzed as followed by the DMP quarterly schedule, Table 2.2.2.3-1

TABLE 2.2.2.3-1

Parameters Analyzed During IMP - Alluvials

Ag	Mn	Zn	Oil and Grease
As	Pb	Na	Kjeldahl N
Ba	Mo	K	COD
Cd	Cl	Ca	Phenols
Cr	Li	Mg	TDS
Cu	Al	Fluoride	SO ₄
Fe	Sr	R	CO ₃
Hg	Se	Ni	HCO ₃
Alkalinity	Hardness	Ammonia	No

Statistics were run combining 5 water years (October 1977 - September 1982) of alluvial well water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples noted for the 5 year period. Dates for which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of alluvial wells sampled since Baseline, November 1974 through December 1982 appear within the Assurance section for reasons cited in the Quality Assurance Section.

Table 2.2.2.3-2 references the following tables which list results for each parameter by alluvial well. Refer to Table 2.2.2-1 for unit measurements of these parameters.

TABLE 2.2.2.3-2

Cross Reference
Five Year Statistical Analysis - Alluvials

<u>Computer Code</u>	<u>Location</u>	<u>Page No.</u>
WA01	A-1	I-435
WA02	A-2	I-437
WA03	A-3	I-439
WA05	A-5	I-441
WA06	A-6	I-443
WA07	A-7	I-445
WA08	A-8	I-447
WA09	A-9	I-449
WA10	A-10	I-451
WA11	A-11	I-453
WA12	A-12	I-455
WA13	A-13	I-457
WA56	A-5B	I-459

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983

LUC=MAUI

VARIABLE	UNIT	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	11	570.55	111.46	360.00	826.00
AL	11	0.37	0.67	0.00	3.00
ARS	11	0.00	0.00	0.00	0.00
FCULIF	4	1.00	0.00	1.00	1.00
BA	11	0.53	0.09	0.50	0.60
HCU3	11	550.55	117.16	360.00	826.00
HUU	8	22.10	51.75	1.00	150.00
B	11	0.24	0.14	0.04	0.56
BR	4	0.54	0.33	0.10	0.80
TCULIF	3	3.00	3.46	1.00	7.00
CU	11	0.02	0.01	0.01	0.04
CA	11	66.73	21.24	31.00	100.00
CUS	11	20.27	27.48	1.00	70.00
CL	11	23.91	12.32	16.00	59.00
CR	11	0.02	0.00	0.01	0.07
CUU	11	15.36	18.14	1.00	50.00
CU	11	0.02	0.00	0.01	0.02
DU	8	4.15	0.44	2.60	5.70
UUC	3	5.76	9.66	1.00	23.00
LAS	1	0.04	.	0.04	0.04
F	11	0.89	0.18	0.50	1.10
PARU	11	504.55	62.83	410.00	600.00
FE	11	0.15	0.22	0.02	0.50
KUN	10	0.86	1.24	0.10	4.00
PD	11	0.06	0.08	0.02	0.30
LJ	11	0.04	0.02	0.02	0.05
MO	11	82.27	8.16	65.00	94.00
MN	11	0.27	0.10	0.02	0.40
MG	10	0.00	0.01	0.00	0.02
MULY	11	0.03	0.06	0.01	0.20
NI	11	0.02	0.00	0.02	0.02
NU3	11	0.35	0.20	0.10	0.60
ULOR	11	9.82	8.48	1.00	28.00
SCU3	2	21.45	29.06	0.50	42.00
PM	9	2.58	1.41	0.30	8.00
K	11	15.00	10.30	1.60	6.30
KA	4	31.50	37.53	5.00	27.00
dlm	4	1.20	0.10	1.00	82.00
KR	3	0.01	0.01	0.00	1.30
SE	10	0.03	0.06	0.01	0.02
AG	11	254.55	15.72	220.00	280.00
NA	11	1300.00	154.92	1200.00	1600.00
TUS	6	1250.00	46.50	1200.00	1300.00
SUL3	3	1620.63	66.14	1490.00	1700.00
SPC	8	4.05	1.02	2.70	5.40
SR	11	302.74	155.74	0.10	510.00
SU4	11	14.65	2.03	12.00	18.00
TEMP	8	0.04	0.06	0.01	0.21
LN	10	53.50	41.72	24.00	83.00
TUC	2	0.00	0.00	0.00	0.01
PHEN	10	.	.	.	.
CTAN	10	0.75	2.06	0.02	6.60
VND	10	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983

2

LUC=MAU1

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	1	0.10	.	0.10	0.10
SIUC	SIUC	0	.	.	.	.
U	U	0	.	.	.	.
SIUS	SIUS	1	3.60	.	3.60	3.60
In	In	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
A	A	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCIN	SCIN	2	0.10	0.00	0.10	0.10
TUMB	TUMB	0	.	.	.	.
FF	FF	1	1.00	.	1.00	1.00
TSDT	TSDT	1	3.60	.	3.60	3.60
MZ2B	MZ2B	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983

LUC=MAUC

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	445.71	20.70	420.00	470.00
AL	AL	1	0.10	0.00	0.10	0.10
AMS	AMS	1	0.02	0.00	0.02	0.02
FCULIF	FCULIF	2	1.00	0.00	1.00	1.00
DA	DA	1	0.50	0.00	0.50	0.50
MCUS	MCUS	1	421.43	58.72	320.00	470.00
MOU	MOU	3	51.67	85.17	1.00	150.00
B	B	1	0.10	0.00	0.10	0.10
BR	BR	1	0.80	.	0.80	0.80
FCULIF	FCULIF	2	1.00	0.00	1.00	1.00
CU	CU	1	0.01	0.00	0.01	0.02
CA	CA	1	29.10	29.10	45.00	120.00
CUS	CUS	1	23.57	40.24	1.00	100.00
CL	CL	1	18.23	17.72	7.50	58.00
CR	CR	1	0.02	0.00	0.01	0.02
CUD	CUD	1	22.16	26.05	1.00	50.00
CU	CU	1	0.02	0.00	0.02	0.02
UU	UU	4	4.72	1.58	3.30	6.10
UUC	UUC	3	2.94	2.93	1.00	8.00
LAS	LAS	0	.	.	.	.
F	F	1	1.10	0.63	0.40	2.00
THRU	THRU	1	505.71	45.37	390.00	600.00
FE	FE	1	0.09	0.18	0.02	0.50
KJN	KJN	0	0.98	1.38	0.10	3.60
PS	PS	1	0.02	0.00	0.02	0.02
LI	LI	1	0.05	0.01	0.02	0.05
YG	YG	1	73.57	8.92	59.00	86.00
YN	YN	1	0.08	0.00	0.02	0.20
NU	NU	1	0.00	0.00	0.00	0.00
MULY	MULY	1	0.01	0.00	0.01	0.02
NI	NI	1	0.02	0.00	0.02	0.02
NUJ	NUJ	1	4.00	9.68	0.10	26.00
ULGR	ULGR	1	12.00	11.28	0.00	34.00
SCUS	SCUS	0	.	.	.	.
PH	PH	1	2.34	1.45	0.90	8.20
K	K	1	3.50	2.12	2.00	5.00
RA	RA	1	1.00	.	1.00	1.00
HR	HR	1	0.40	0.00	0.40	0.40
SE	SE	1	0.01	0.00	0.01	0.01
AG	AG	1	0.01	0.00	0.01	0.01
NA	NA	1	132.80	12.54	120.00	160.00
TUS	TUS	0	881.67	38.17	830.00	930.00
SOLS	SOLS	1	830.00	.	830.00	830.00
SPC	SPC	1	1183.80	140.37	920.00	1400.00
SK	SK	1	7.31	3.60	3.50	11.00
SO4	SO4	1	297.14	45.30	220.00	350.00
FE4P	FE4P	3	11.24	3.65	7.20	16.00
ZN	ZN	0	0.02	0.00	0.02	0.03
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	0.00	0.00	0.01
CTAIN	CTAIN	0	.	.	.	.
MS	MS	1	0.17	0.17	0.04	0.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=4A02

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIU2	SIU2	0	.	.	.	.
U	U	0	.	.	.	.
SIUS	SIUS	0	.	.	.	.
TH	TH	1	307.00	.	307.00	307.00
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SD	SD	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
TURH	TURH	0	.	.	.	.
FF	FF	1	0.50	.	0.50	0.50
ISSF	ISSF	1	307.00	.	307.00	307.00
M22H	M22H	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=MAUJ

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	8	509.25	68.86	450.00	674.00
AL	AL	3	0.12	0.07	0.10	0.30
AMS	AMS	6	0.02	0.00	0.02	0.02
FCULIF	FCULIF	3	1.00	0.00	1.00	1.00
BA	BA	6	0.50	0.00	0.50	0.50
MCUJ	MCUJ	6	500.50	60.86	360.00	674.00
BUU	BUU	3	34.16	64.74	2.00	150.00
B	B	3	0.10	0.04	0.04	0.20
DK	DK	2	0.75	0.21	0.60	0.90
FCULIF	FCULIF	3	1.33	0.58	1.00	2.00
CU	CU	6	0.01	0.01	0.01	0.02
CA	CA	6	103.50	36.89	44.00	170.00
CUJ	CUJ	6	9.63	24.40	1.00	70.00
CL	CL	6	21.25	17.07	11.00	61.00
CK	CK	6	0.02	0.01	0.01	0.04
CUU	CUU	6	25.63	21.15	1.00	50.00
CU	CU	6	0.02	0.00	0.02	0.02
JU	JU	4	4.70	1.24	3.60	6.40
UUC	UUC	3	1.33	0.58	1.00	2.00
LAS	LAS	1	0.04	.	0.04	0.04
F	F	6	0.42	0.11	0.20	0.60
TAMU	TAMU	3	592.50	76.11	470.00	720.00
FE	FE	6	0.14	0.22	0.02	0.50
KJN	KJN	7	0.90	1.34	0.10	4.00
PB	PB	6	0.03	0.02	0.02	0.09
LI	LI	6	0.04	0.02	0.02	0.05
MG	MG	6	77.68	10.18	60.00	92.00
AN	AN	6	0.02	0.00	0.02	0.03
MG	MG	7	0.00	0.01	0.00	0.02
MULY	MULY	6	0.01	0.01	0.01	0.02
NI	NI	6	0.02	0.00	0.02	0.03
NUJ	NUJ	6	1.27	1.24	0.10	3.40
ULGM	ULGM	6	16.25	18.90	1.00	63.00
SCUJ	SCUJ	1	0.90	.	0.90	0.90
PH	PH	6	2.04	1.17	1.00	4.00
K	K	6	6.50	3.54	4.00	9.00
MA	MA	2	2.00	.	2.00	2.00
dih	dih	1	0.20	.	0.20	0.20
ME	ME	1	0.01	0.01	0.00	0.02
SE	SE	7	0.01	0.02	0.01	0.06
AB	AB	6	131.88	6.51	120.00	140.00
NA	NA	6	998.00	4.47	990.00	1000.00
TUS	TUS	3	940.00	34.64	920.00	980.00
SOLS	SOLS	3	1231.67	75.48	1110.00	1300.00
SPC	SPC	6	5.37	1.11	3.70	6.90
SM	SM	6	346.63	60.47	220.00	430.00
TEMP	TEMP	3	12.16	2.21	10.00	15.00
ZN	ZN	7	0.02	0.00	0.02	0.03
TUC	TUC	1	39.00	.	39.00	39.00
PHEN	PHEN	7	0.01	0.02	0.00	0.05
LYAN	LYAN	1	.	.	.	.
MAJ	MAJ	7	0.12	0.14	0.04	0.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LJC=NAU3

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SUB5	SUB5	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SM	SM	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
M	M	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
HE	HE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	0.55	0.64	0.10	1.00
TURb	TURb	2	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
R22B	R22B	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WAUS

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	0	555.50	78.27	470.00	703.00
AL	AL	0	0.10	0.00	0.10	0.10
AMS	AMS	0	0.02	0.00	0.02	0.02
FCULIF	FCULIF	2	1.00	0.00	1.00	1.00
BA	BA	0	0.20	0.00	0.20	1.00
HCUS	HCUS	0	555.50	78.27	470.00	703.00
HOU	HOU	3	52.33	84.62	1.00	150.00
B	B	0	0.15	0.00	0.00	0.20
AK	AK	1	0.80	0.00	0.80	0.80
FCULIF	FCULIF	2	1.00	0.00	1.00	1.00
CU	CU	0	0.01	0.00	0.01	0.02
CA	CA	0	89.67	27.28	52.00	130.00
CUS	CUS	0	1.00	0.00	1.00	1.00
CL	CL	0	24.83	20.61	13.00	85.00
CR	CR	0	0.02	0.00	0.01	0.02
CUD	CUD	0	33.67	20.39	8.00	70.00
CU	CU	0	0.02	0.00	0.01	0.02
UU	UU	4	5.07	2.33	2.50	7.20
UUC	UUC	3	1.93	0.90	1.00	2.80
LAS	LAS	0	0.50	0.10	0.40	0.70
FE	FE	0	503.33	71.18	390.00	580.00
KUN	KUN	0	0.03	0.02	0.02	0.08
PH	PH	0	0.17	0.16	0.10	0.50
LI	LI	0	0.02	0.01	0.02	0.05
MG	MG	0	0.05	0.00	0.04	0.05
AN	AN	0	0.33	7.74	58.00	78.00
MG	MG	0	0.03	0.01	0.02	0.04
MG	MG	0	0.00	0.01	0.00	0.02
MULY	MULY	0	0.01	0.01	0.01	0.02
NI	NI	0	0.02	0.01	0.01	0.04
NUS	NUS	0	3.92	6.17	0.10	16.00
ULGR	ULGR	0	9.17	3.37	4.00	14.00
SZUJ	SZUJ	0	7.88	0.42	7.20	8.20
PH	PH	0	3.35	1.46	1.90	5.80
K	K	0	3.00	0.00	3.00	3.00
KA	KA	1	3.50	3.54	1.00	6.00
HTH	HTH	1	0.60	0.00	0.60	0.60
SE	SE	0	0.01	0.00	0.01	0.02
AG	AG	0	0.02	0.03	0.01	0.08
NA	NA	0	158.83	8.26	150.00	170.00
TUS	TUS	0	954.00	25.10	920.00	990.00
SULS	SULS	1	807.00	867.00	867.00	867.00
SPC	SPC	0	1210.00	101.19	1030.00	1340.00
SM	SM	0	3.22	0.67	2.20	4.40
SU4	SU4	0	270.17	47.25	200.00	320.00
TEMP	TEMP	0	13.74	4.60	9.00	21.00
ZN	ZN	0	0.02	0.01	0.01	0.03
TUC	TUC	0	0.00	0.00	0.00	0.00
PHEN	PHEN	0	0.00	0.00	0.00	0.00
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NH3	NH3	0	0.04	0.00	0.04	0.04

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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8

LOC=4AUS

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIU2	SIU2	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
KB	KB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
FI	FI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
TURH	TURH	0	.	.	.	.
FF	FF	0	.	.	.	.
ISSF	ISSF	0	.	.	.	.
K22B	K22B	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983

LUC=WA06

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	8	508.75	76.43	510.00	750.00
AL	AL	8	0.10	0.00	0.10	0.10
AMS	AMS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	3	1.00	0.00	1.00	1.00
BA	BA	8	0.52	0.07	0.50	0.70
HCU3	HCU3	8	552.63	84.28	480.00	741.00
BUD	BUD	4	40.50	73.04	1.00	150.00
B	B	8	0.16	0.05	0.10	0.20
SK	SK	2	0.50	0.14	0.50	0.70
FCULIF	FCULIF	3	1.00	0.00	1.00	1.00
CD	CD	8	0.01	0.01	0.01	0.02
CA	CA	8	75.50	25.87	41.00	120.00
CUL3	CUL3	8	16.75	26.84	1.00	60.00
CL	CL	8	22.63	14.46	13.00	57.00
CR	CR	8	0.02	0.00	0.01	0.02
CUD	CUD	8	20.90	20.77	1.00	50.00
CU	CU	8	0.02	0.00	0.02	0.03
DO	DO	3	4.42	1.85	2.80	6.80
DUC	DUC	3	2.07	1.10	1.00	3.20
LAS	LAS	1	0.04	0.04	0.04	0.04
F	F	8	0.49	0.07	0.40	0.60
HARD	HARD	8	490.00	58.06	390.00	580.00
FE	FE	3	0.14	0.22	0.02	0.50
KJN	KJN	7	0.71	1.45	0.10	4.00
PB	PB	8	0.03	0.03	0.02	0.10
LI	LI	8	0.04	0.01	0.02	0.05
MG	MG	8	68.13	6.66	53.00	74.00
MN	MN	8	0.09	0.02	0.06	0.10
MG	MG	8	0.01	0.01	0.00	0.02
MULY	MULY	8	0.01	0.01	0.01	0.02
NI	NI	8	0.02	0.01	0.02	0.05
NO3	NO3	8	0.90	0.72	0.10	1.90
ULGM	ULGM	8	13.20	15.53	2.00	50.00
SZU3	SZU3	1	0.90	.	0.90	0.90
PH	PH	8	2.57	1.38	1.70	4.20
K	K	8	7.70	11.56	0.10	5.80
MA	MA	3	3.00	1.41	2.00	21.00
BTM	BTM	2	0.50	.	0.50	4.00
SE	SE	8	0.01	0.01	0.01	0.02
AG	AG	8	0.02	0.03	0.01	0.10
NA	NA	8	166.75	10.08	160.00	184.00
TUS	TUS	3	942.00	30.33	910.00	990.00
SOLS	SOLS	3	972.00	37.04	930.00	1000.00
SPC	SPC	8	1224.17	116.84	1055.00	1400.00
SK	SK	8	3.69	1.09	2.20	5.00
SU4	SU4	8	267.25	43.99	210.00	350.00
TEMP	TEMP	8	12.17	6.76	0.10	21.00
ZN	ZN	7	0.02	0.01	0.01	0.03
TUC	TUC	1	89.00	.	89.00	89.00
PHEN	PHEN	7	0.01	0.02	0.00	0.05
CYAN	CYAN	8	0.08	0.10	0.04	0.30
NH3	NH3	7	0.08	0.10	0.04	0.30

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983

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LUC#4A06

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
Th	Th	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RD	RD	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
Turb	Turb	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
M22B	M22B	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983 11

LOC=WAU7

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	5	402.00	95.24	310.00	560.00
AL	AL	5	0.10	0.00	0.10	0.10
AMS	AMS	5	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	5	0.50	0.00	0.50	0.50
HC03	HC03	5	390.00	112.03	250.00	560.00
BOD	BOD	3	52.90	84.09	4.00	150.00
B	B	5	0.12	0.08	0.04	0.20
BR	BR	1	1.00	.	1.00	1.00
TCULIF	TCULIF	1	4.00	.	4.00	4.00
CD	CD	5	0.01	0.01	0.01	0.02
CA	CA	5	70.40	29.07	30.00	110.00
CU3	CU3	5	12.80	26.39	1.00	60.00
CL	CL	5	16.00	1.58	14.00	18.00
CR	CR	5	0.02	0.00	0.02	0.02
CUD	CUD	5	26.12	22.11	6.00	50.00
CU	CU	5	0.02	0.00	0.02	0.02
DU	DU	4	6.30	0.42	5.90	6.80
DUC	DUC	1	5.00	.	5.00	5.00
LAS	LAS	0	.	.	.	.
F	F	5	0.20	0.07	0.10	0.30
MANU	MANU	5	412.00	80.75	320.00	500.00
FE	FE	5	0.12	0.21	0.02	0.50
KJN	KJN	5	0.50	0.79	0.10	1.90
PS	PS	5	0.04	0.03	0.02	0.10
LI	LI	5	0.04	0.02	0.02	0.05
MG	MG	5	47.80	8.76	37.00	56.00
MN	MN	5	0.03	0.01	0.02	0.05
HG	HG	5	0.00	0.00	0.00	0.00
MULY	MULY	5	0.01	0.01	0.01	0.02
NI	NI	5	0.02	0.00	0.02	0.02
NO3	NO3	5	3.36	3.96	0.10	8.90
ULGR	ULGR	5	15.00	9.25	9.00	31.00
S203	S203	0	.	.	.	.
PH	PH	4	1.90	1.32	1.40	8.50
K	K	5	2.00	.	1.10	4.20
RA	RA	1	2.00	.	2.00	2.00
HTH	HTH	1	2.00	.	2.00	2.00
RR	RR	1	0.40	.	0.40	0.40
SE	SE	3	0.01	0.00	0.01	0.01
AG	AG	5	0.03	0.04	0.00	0.10
NA	NA	5	133.20	8.44	120.00	140.00
TUS	TUS	3	763.33	56.86	700.00	810.00
SULS	SULS	2	752.00	59.40	710.00	794.00
SPC	SPC	4	1112.50	133.76	970.00	1280.00
SR	SR	5	3.66	0.77	2.80	4.70
SU4	SU4	5	236.60	66.28	130.00	313.00
TEMP	TEMP	3	15.20	5.30	10.60	21.00
ZN	ZN	4	0.02	0.00	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	4	0.01	0.01	0.00	0.03
CYAN	CYAN	0	.	.	.	.
NH3	NH3	4	0.05	0.02	0.04	0.08

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983 12

LUC=WA07

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0
MA	MA	0
SCN	SCN	2	0.10	0.00	0.10	0.10
TURB	TURB	0
FF	FF	0
TSSF	TSSF	0
MZ2B	MZ2B	0

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=MA06

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	7	431.43	91.00	260.00	560.00
AL	AL	7	0.31	0.53	0.05	1.50
AMS	AMS	7	0.02	0.00	0.00	0.02
FCULIF	FCULIF	4	1.00	0.00	1.00	1.00
BA	BA	7	0.50	0.00	0.50	0.50
HC03	HC03	7	429.43	88.47	260.00	551.00
BU0	BU0	5	32.80	65.53	1.00	150.00
B	B	7	0.08	0.03	0.04	0.10
BR	BR	3	0.73	0.15	0.60	0.90
TCULIF	TCULIF	3	1.00	0.00	1.00	1.00
CU	CU	7	0.03	0.03	0.01	0.10
CA	CA	7	95.29	28.50	54.00	150.00
CO3	CO3	7	3.14	3.67	1.00	9.00
CL	CL	7	15.81	22.63	6.00	67.00
CH	CH	7	0.02	0.01	0.02	0.04
CUD	CUD	7	29.43	22.97	8.00	60.00
CU	CU	7	0.02	0.00	0.02	0.02
DU	DU	0	0.87	1.82	5.80	10.50
DUC	DUC	5	8.70	16.94	1.00	39.00
LAS	LAS	1	1.00	.	1.00	1.00
F	F	7	0.20	0.10	0.10	0.40
HA00	HA00	7	501.43	36.71	520.00	620.00
FE	FE	7	0.11	0.18	0.02	0.50
KJN	KJN	7	0.31	0.32	0.10	1.00
PS	PS	7	0.04	0.03	0.02	0.10
LI	LI	7	0.04	0.02	0.01	0.05
MG	MG	7	75.14	8.45	60.00	84.00
MN	MN	7	0.04	0.03	0.02	0.10
MG	MG	5	0.00	0.01	0.00	0.02
MULY	MULY	7	0.02	0.03	0.01	0.08
NI	NI	7	0.02	0.00	0.02	0.02
NO3	NO3	7	4.43	4.23	0.90	13.30
ULGH	ULGH	7	11.43	4.24	7.00	21.00
SZ03	SZ03	1	1.00	.	1.00	1.00
PH	PH	8	2.57	1.17	7.40	8.30
K	K	7	2.45	0.78	1.80	5.00
RA	RA	2	14.33	9.50	1.90	3.00
BTM	BTM	3	0.75	0.35	5.00	24.00
MM	MM	2	0.01	0.01	0.50	1.00
SE	SE	5	0.01	0.01	0.00	0.02
AG	AG	7	0.03	0.03	0.01	0.10
NA	NA	7	122.14	18.17	88.00	140.00
TUS	TUS	4	900.00	64.81	810.00	960.00
SOLS	SOLS	3	970.00	30.00	940.00	1000.00
SPC	SPC	7	1121.43	141.24	870.00	1300.00
SH	SH	7	3.51	1.04	2.30	5.00
S04	S04	7	369.43	71.20	230.00	440.00
TEMP	TEMP	7	12.14	5.30	5.50	21.00
ZN	ZN	7	0.02	0.01	0.01	0.04
TUC	TUC	1	1.00	.	1.00	1.00
PHEN	PHEN	5	0.00	0.00	0.00	0.00
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NH3	NH3	0	0.60	1.53	0.04	3.80

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=WA08

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
J	J	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
MD	MD	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
FI	FI	0	.	.	.	.
SC	SC	0	.	.	.	.
M	M	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R228	R228	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983

LOC=WA09

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	10	392.50	35.06	340.00	465.00
AL	AL	10	0.21	0.23	0.10	0.70
AMS	AMS	10	0.02	0.00	0.02	0.02
FCOLIF	FCOLIF	4	1.00	0.00	1.00	1.00
BA	BA	10	0.60	0.32	0.50	1.50
HCO3	HCO3	10	365.50	40.03	330.00	465.00
BOD	BOD	7	31.14	55.22	1.00	150.00
d	d	10	0.19	0.32	0.04	1.10
SR	SR	4	0.52	0.33	0.10	0.90
TCOLIF	TCOLIF	3	5.00	3.61	1.00	8.00
CU	CU	10	0.01	0.01	0.01	0.02
CA	CA	10	83.10	27.61	45.00	140.00
CO3	CO3	10	7.70	21.19	1.00	68.00
CL	CL	10	14.06	17.29	5.80	62.00
CR	CR	10	0.02	0.00	0.01	0.02
CUD	CUD	10	19.80	22.11	1.00	50.00
CU	CU	10	0.02	0.01	0.01	0.06
DU	DU	7	8.03	1.99	5.30	11.20
DUC	DUC	5	8.20	12.44	1.00	30.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	10	0.20	0.05	0.10	0.30
HARD	HARD	10	496.00	79.47	360.00	600.00
FE	FE	10	0.12	0.20	0.02	0.50
KJN	KJN	10	0.83	1.60	0.07	5.00
Pd	Pd	10	0.03	0.03	0.02	0.10
LI	LI	10	0.04	0.01	0.02	0.05
MG	MG	10	63.28	22.00	6.80	90.00
MN	MN	10	0.03	0.02	0.02	0.08
HG	HG	8	0.01	0.01	0.00	0.02
MOLY	MOLY	10	0.01	0.01	0.01	0.02
NI	NI	10	0.02	0.01	0.02	0.06
NO3	NO3	10	4.03	2.36	0.10	8.10
OLGH	OLGH	10	11.90	9.28	1.00	35.00
S2O3	S2O3	1	1.00	.	1.00	1.00
PH	PH	9	1.00	.	7.40	8.00
K	K	10	1.90	1.07	0.80	3.80
HA	HA	3	67.03	106.52	3.00	190.00
BTH	BTH	5	5.80	6.94	2.00	18.00
HK	HK	2	1.50	1.41	0.50	2.50
SE	SE	8	0.01	0.01	0.01	0.02
AG	AG	10	0.03	0.03	0.01	0.10
NA	NA	10	112.30	14.85	99.00	150.00
TDS	TDS	6	875.00	161.59	770.00	1200.00
SULS	SULS	4	897.75	110.48	771.00	1000.00
SPC	SPC	8	1069.38	151.81	795.00	1300.00
SK	SK	10	4.01	1.20	2.60	6.00
S04	S04	10	313.70	96.39	140.00	450.00
TEMP	TEMP	8	12.66	6.96	0.10	21.00
ZN	ZN	10	0.05	0.09	0.01	0.30
TOC	TOC	1	65.00	.	65.00	65.00
PHEN	PHEN	8	0.00	0.00	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	9	0.08	0.09	0.04	0.25

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WA09

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
J	J	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
KB	KB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	1	0.30	.	0.30	0.30
TSSF	TSSF	0	.	.	.	.
R22B	R22B	0	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 17

LOC=WA10

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	500.33	46.26	450.00	541.00
AL	AL	3	0.08	0.03	0.05	0.10
AKS	AKS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	2	1.00	0.00	1.00	1.00
BA	BA	3	0.67	0.29	0.50	1.00
HCU3	HCU3	3	490.33	62.85	420.00	541.00
BUD	BUD	3	3.27	2.05	1.00	5.00
B	B	3	0.06	0.03	0.04	0.09
HR	HR	2	0.69	0.27	0.50	0.88
ICULIF	ICULIF	0	.	.	.	0.04
CU	CU	3	0.03	0.01	0.02	0.04
CA	CA	3	82.00	33.42	45.00	110.00
CU3	CU3	3	10.67	16.74	1.00	30.00
CL	CL	3	6.67	1.61	5.50	8.50
CM	CM	3	0.02	0.01	0.01	0.02
CUD	CUD	3	20.00	10.58	8.00	28.00
CU	CU	3	0.02	0.00	0.02	0.02
DU	DU	3	8.00	1.18	6.70	9.00
DUC	DUC	2	28.00	12.73	19.00	37.00
LAS	LAS	0	.	.	.	0.30
F	F	3	0.30	0.00	0.30	0.30
MARKD	MARKD	3	516.67	66.58	460.00	590.00
FE	FE	3	0.20	0.26	0.03	0.50
KUN	KUN	2	0.65	0.35	0.40	0.90
PB	PB	3	0.08	0.03	0.04	0.10
LI	LI	3	0.02	0.00	0.02	0.02
MG	MG	3	75.33	3.51	72.00	79.00
MN	MN	3	0.04	0.03	0.02	0.07
HG	HG	1	0.02	.	0.02	0.02
MULY	MULY	3	0.02	0.00	0.02	0.02
NI	NI	3	0.02	0.00	0.02	0.02
NO3	NO3	3	5.23	1.07	4.00	5.90
ULGH	ULGH	3	23.33	15.89	5.00	33.00
SCU3	SCU3	1	29.00	.	29.00	29.00
PH	PH	3	.	.	7.50	7.70
K	K	3	1.73	0.31	1.40	2.00
HA	HA	0	.	.	.	12.00
BITR	BITR	2	6.50	7.78	1.00	.
MR	MR	0	.	.	.	0.03
SE	SE	1	0.03	.	0.03	0.10
AG	AG	2	0.08	0.03	0.06	.
NA	NA	3	130.67	11.02	120.00	142.00
TDS	TDS	0	.	.	.	.
SULS	SULS	3	967.67	33.56	933.00	1000.00
SPC	SPC	2	1350.00	70.71	1300.00	1400.00
SK	SK	3	3.83	1.26	2.50	5.00
SO4	SO4	3	365.67	36.14	340.00	407.00
TEMP	TEMP	3	15.67	5.51	10.00	21.00
ZN	ZN	3	0.03	0.02	0.02	0.06
TUC	TUC	1	21.00	.	21.00	21.00
PHEN	PHEN	1	0.02	.	0.02	0.02
CYAN	CYAN	0	.	.	.	.
NH3	NH3	2	0.52	0.68	0.04	1.00

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=410

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SD	SD	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0
OH	OH	0
CH	CH	0
PA	PA	0
MA	MA	0
SCN	SCN	0
TURB	TURB	0
FF	FF	0
TSF	TSF	0
R22B	R22B	0

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=wall

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	4	465.50	55.27	420.00	532.00
AL	AL	4	0.41	0.49	0.04	1.10
AMS	AMS	4	0.02	0.00	0.00	0.02
FCULIF	FCULIF	3	1.00	0.00	1.00	1.00
BA	BA	4	0.50	0.00	0.50	0.50
HCU3	HCU3	4	465.50	55.27	420.00	532.00
HUU	HUU	4	9.50	13.72	1.00	30.00
D	D	4	0.17	0.26	0.04	0.56
HM	HM	3	0.74	0.12	0.60	0.82
TCULIF	TCULIF	1	1.00	.	1.00	1.00
CD	CD	4	0.02	0.00	0.02	0.02
CA	CA	4	72.25	18.84	45.00	88.00
CO3	CO3	4	1.00	0.00	1.00	1.00
CL	CL	4	13.25	8.54	8.00	26.00
CH	CH	4	0.02	0.01	0.02	0.04
CUD	CUD	4	6.25	2.63	4.00	9.00
CU	CU	4	0.02	0.00	0.02	0.02
UU	UU	3	7.63	1.03	6.50	8.50
DOC	DOC	2	26.00	18.38	13.00	39.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	4	0.20	0.00	0.20	0.21
HARD	HARD	4	567.50	75.00	480.00	630.00
FE	FE	4	0.28	0.26	0.02	0.50
KJN	KJN	4	1.23	1.85	0.10	4.00
PB	PB	4	0.09	0.08	0.02	0.20
LI	LI	4	0.02	0.01	0.02	0.04
MG	MG	4	88.00	16.08	64.00	98.00
MN	MN	4	0.03	0.02	0.02	0.07
HG	HG	2	0.02	0.00	0.02	0.02
MULY	MULY	4	0.02	0.01	0.02	0.04
NI	NI	4	0.02	0.00	0.02	0.02
NO3	NO3	4	3.45	1.10	1.80	4.00
OLGR	OLGR	4	6.50	6.19	1.00	15.00
SZU3	SZU3	2	17.00	22.63	1.00	33.00
PH	PH	3	.	.	7.50	7.90
K	K	4	1.62	0.49	0.50	2.00
RA	RA	1	3.10	.	3.10	3.10
BTH	BTH	1	23.00	.	23.00	23.00
MM	MM	0	.	.	.	.
SE	SE	2	0.02	0.00	0.02	0.02
AG	AG	4	0.03	0.02	0.01	0.06
NA	NA	4	136.00	20.26	110.00	154.00
TUS	TUS	0	.	.	.	.
SOLS	SOLS	4	1045.00	161.14	820.00	1200.00
SPC	SPC	2	1310.00	14.14	1300.00	1320.00
SM	SM	4	4.70	1.35	2.80	6.00
SU4	SU4	4	342.25	116.59	280.00	539.00
TEMP	TEMP	3	14.60	6.61	7.80	21.00
ZN	ZN	4	0.04	0.04	0.02	0.10
TUC	TUC	2	24.50	16.26	13.00	36.00
PHEN	PHEN	2	0.00	0.00	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	3	1.56	2.46	0.05	4.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=wall

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
M22B	M22B	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WA12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	9	495.22	49.60	450.00	617.00
AL	AL	9	0.12	0.06	0.01	0.20
AKS	AKS	9	0.02	0.00	0.02	0.02
FCULIF	FCULIF	9	1.00	0.00	1.00	1.00
BA	BA	9	0.70	0.49	0.50	2.00
HCU3	HCU3	9	481.89	61.78	390.00	617.00
BUD	BUD	7	24.00	55.59	1.00	150.00
B	B	9	0.08	0.03	0.04	0.10
BK	BK	4	0.75	0.19	0.59	1.00
TCULIF	TCULIF	3	2.67	2.89	1.00	6.00
CD	CD	9	0.01	0.01	0.01	0.02
CA	CA	9	105.67	28.05	53.00	160.00
CO3	CO3	9	14.11	27.87	1.00	80.00
CL	CL	9	14.77	15.28	6.00	55.00
CK	CK	9	0.02	0.00	0.02	0.02
CUD	CUD	9	20.67	19.87	1.00	50.00
CU	CU	9	0.02	0.00	0.02	0.03
DU	DU	7	7.21	1.19	5.00	9.30
DUC	DUC	9	11.80	15.22	1.00	38.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	9	0.19	0.06	0.10	0.30
HARD	HARD	9	662.22	68.15	580.00	750.00
FE	FE	9	0.13	0.21	0.01	0.50
KJN	KJN	9	0.39	0.63	0.07	2.00
PH	PH	9	0.04	0.03	0.02	0.10
LI	LI	9	0.04	0.01	0.02	0.05
MG	MG	9	96.78	89.93	84.00	110.00
MN	MN	9	0.03	0.02	0.02	0.09
HG	HG	7	0.01	0.01	0.00	0.02
MULY	MULY	9	0.02	0.01	0.01	0.05
NI	NI	9	0.02	0.00	0.02	0.03
NO3	NO3	9	1.93	1.29	0.10	4.20
ULGH	ULGH	9	9.67	7.50	1.00	26.00
S203	S203	9	18.50	24.75	1.00	36.00
PH	PH	9	2.49	1.11	7.30	8.10
K	K	9	4.92	4.17	1.70	5.00
HA	HA	9	10.32	8.93	4.00	13.00
BTM	BTM	9	.	.	.	26.00
HK	HK	9	0.01	0.01	0.01	0.02
SE	SE	9	0.02	0.03	0.01	0.06
AG	AG	9	144.33	9.95	130.00	160.00
NA	NA	9	1160.00	54.77	1100.00	1200.00
TDS	TDS	9	1222.50	129.20	1090.00	1400.00
SOLS	SOLS	4	1342.86	114.41	1200.00	1490.00
SPC	SPC	7	4.93	1.33	3.00	6.90
SK	SK	9	454.22	70.86	310.00	540.00
SU4	SU4	9	14.79	3.74	9.50	21.00
TEMP	TEMP	7	0.02	0.01	0.02	0.04
ZN	ZN	9	39.50	34.65	15.00	64.00
TUC	TUC	9	0.00	0.00	0.00	0.01
PHEN	PHEN	9	0.04	0.01	0.00	0.04
CYAN	CYAN	9	0.01	0.01	0.00	0.04
NH3	NH3	9	0.01	0.01	0.00	0.04

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WA12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
M	M	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	1	0.20	.	0.20	0.20
ISSF	ISSF	0	.	.	.	.
RZ2B	RZ2B	0

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WA13

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	U	.	.	.	.
AL	AL	U	.	.	.	.
ARS	ARS	U	.	.	.	.
FCULIF	FCULIF	U	.	.	.	.
BA	BA	U	.	.	.	.
HC03	HC03	U	.	.	.	.
R00	R00	U	.	.	.	.
B	B	U	.	.	.	.
BR	BR	U	.	.	.	.
TCOLIF	TCOLIF	U	.	.	.	.
CD	CD	U	.	.	.	.
CA	CA	U	.	.	.	.
CO3	CO3	U	.	.	.	.
CL	CL	U	.	.	.	.
CR	CR	U	.	.	.	.
CUD	CUD	U	.	.	.	.
CU	CU	U	.	.	.	.
DO	DO	U	.	.	.	.
DUC	DUC	U	.	.	.	.
LAS	LAS	U	.	.	.	.
F	F	U	.	.	.	.
HARD	HARD	U	.	.	.	.
FE	FE	U	.	.	.	.
KJN	KJN	U	.	.	.	.
PR	PR	U	.	.	.	.
LI	LI	U	.	.	.	.
MG	MG	U	.	.	.	.
MN	MN	U	.	.	.	.
HG	HG	U	.	.	.	.
MULY	MULY	U	.	.	.	.
NI	NI	U	.	.	.	.
NO3	NO3	U	.	.	.	.
OLGM	OLGM	U	.	.	.	.
S203	S203	U	.	.	.	.
PH	PH	U	.	.	.	.
K	K	U	.	.	.	.
RA	RA	U	1.00	1.00	1.00	1.00
HR	HR	U	2.00	2.00	2.00	2.00
HR	HR	U	.	.	.	.
SE	SE	U	.	.	.	.
AG	AG	U	.	.	.	.
NA	NA	U	.	.	.	.
TUS	TUS	U	.	.	.	.
SOLS	SOLS	U	.	.	.	.
SPC	SPC	U	.	.	.	.
SR	SR	U	.	.	.	.
S04	S04	U	.	.	.	.
TEMP	TEMP	U	.	.	.	.
ZN	ZN	U	.	.	.	.
TUC	TUC	U	.	.	.	.
PHEN	PHEN	U	.	.	.	.
CYAN	CYAN	U	.	.	.	.
NH3	NH3	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=WA13

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZH	ZH	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
M22B	M22B	0	.	.	.	.

LUC=4A56

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	640.00	192.87	420.00	780.00
AL	AL	3	0.10	0.00	0.10	0.10
ARS	ARS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	0.00	1.00	1.00
BA	BA	3	0.50	0.00	0.50	0.50
HC03	HC03	3	600.00	160.93	420.00	730.00
BUD	BUD	1	150.00	0.00	150.00	150.00
B	B	3	0.50	0.17	0.30	0.60
BR	BR	1	0.80	0.00	0.80	0.80
TCULIF	TCULIF	1	5.00	0.00	5.00	5.00
CD	CD	3	0.01	0.00	0.01	0.01
CA	CA	3	50.00	16.46	40.00	69.00
CU3	CU3	3	40.33	34.99	1.00	68.00
CL	CL	3	13.50	5.68	9.50	20.00
CR	CR	3	0.02	0.00	0.02	0.02
CUD	CUD	3	40.00	17.32	20.00	50.00
CU	CU	3	0.02	0.00	0.02	0.02
DU	DU	3	7.00	1.25	6.00	8.40
DUC	DUC	1	10.00	0.00	10.00	10.00
LAS	LAS	0	0.00	0.00	0.00	0.00
F	F	3	5.80	0.24	2.00	13.00
HARD	HARD	3	200.00	75.50	190.00	340.00
FE	FE	3	0.02	0.01	0.02	0.03
KJN	KJN	3	2.47	3.84	0.10	6.90
PH	PH	3	0.02	0.00	0.02	0.02
LI	LI	3	0.05	0.00	0.05	0.05
MG	MG	3	33.00	9.64	22.00	40.00
MN	MN	3	0.21	0.26	0.02	0.50
HG	HG	3	0.00	0.00	0.00	0.00
MULY	MULY	3	0.01	0.00	0.01	0.01
NI	NI	3	0.02	0.01	0.02	0.03
NO3	NO3	3	5.57	2.32	2.90	7.10
ULGM	ULGM	3	7.33	4.62	2.00	10.00
SC03	SC03	0	0.00	0.00	0.00	0.00
PH	PH	3	2.97	3.23	1.10	6.70
K	K	3	3.00	0.00	3.00	3.00
HA	HA	1	0.20	0.00	0.20	0.20
BTB	BTB	1	0.01	0.00	0.01	0.01
RR	RR	3	0.01	0.00	0.01	0.01
SE	SE	3	290.00	91.65	190.00	370.00
AG	AG	3	990.00	115.33	870.00	1100.00
NA	NA	3	1490.00	226.05	1240.00	1680.00
T05	T05	0	2.03	1.10	1.30	3.30
SUL5	SUL5	3	203.33	45.09	160.00	250.00
SPC	SPC	3	12.50	2.12	11.00	14.00
SH	SH	3	0.02	0.00	0.02	0.02
SO4	SO4	3	0.00	0.00	0.00	0.00
TEMP	TEMP	2	0.00	0.00	0.00	0.00
ZN	ZN	0	0.00	0.00	0.00	0.00
TOC	TOC	0	0.00	0.00	0.00	0.00
PHEN	PHEN	3	0.00	0.00	0.00	0.00
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NH3	NH3	3	2.12	3.37	0.05	6.00

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WA56

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
RS	RS	0	.	.	.	.
M7	M7	0	.	.	.	.
ZH	ZH	0	.	.	.	.
Y	Y	0	.	.	.	.
RR	RR	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	1	0.02	0.02	0.02	0.02
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R22R	R22R	0	.	.	.	.

2.2.2.4 Upper Aquifer Wells

During the Interim Monitoring Program water quality samples are taken quarterly or semiannually, depending on the well, for the following parameters.

TABLE 2.2.2.4-1

Parameters Analyzed During IMP - Upper Aquifer

Field Measurements: pH, temperature, dissolved oxygen, conductivity.

As	Pb	K	Ba
Mo	Ca	HCO ₃	CO ₃
Cr	Cl	Mg	SO ₄
Cu	Li	Fluoride	TDS
Fe	Al	B	Oil and Grease
Hg	Sr	BOC	SiO ₂
Mn	Se	Phenols	Cn
Radiology	Zn	Ammonia	Total phosphate
Na	COD	Hardness	
Br	Alkalinity	NO ₃	

Samples were taken in August, November, and December 1982 for Upper Aquifer UPC₁ and UPC₂ zones. Analyses results are presented in Tables 2.2.2.4-2 through 2.2.2.4-7.

Within this section are tables of statistics combining 5 water years (October 1977 - September 1982) of bedrock (Upper Aquifers UPC₁ and UPC₂) well water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples taken during the 5 year period. Dates which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of bedrock wells sampled since Baseline (November 1974 through December 1982) appear within the Water Quality Assurance section for reasons cited there.

Table 2.2.2.4-8 presents well name, computer code and page number for easy reference of statistics tables.

TABLE 2.2.2.4-2

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	--	--	-----	-----	-----
WX32	82	11	9.1	930.0	14.0
WX44	82	8	8.3	1230.0	
		12	8.4	1290.0	10.0

TABLE 2.2.2.4-3

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L)		AMMONIA AS N (MG/L)		AS (MG/L)	BA (MG/L)	HCO ₃ (MG/L)		CO ₃ (MG/L)	BR (MG/L)	HARDNESS (MG/L)		NA (MG/L)	MG (MG/L)	CA (MG/L)
			CA	CO ₃	AL	AS N			CA	CO ₃			CA	CO ₃			
W132	82	11	500.0	-	-.100	.100	-.020	-.50	480.0	20.0	-	-.100	41.0	260.0	6.0	6.7	
W144	82	8	460.0	-	-.100	.800	-.020	-.50	450.0	10.0	-	-.100	190.0	320.0	29.0	27.0	
W144	82	12	380.0	-	-.100	.500	-.020	-.50	380.0	-1.0	-	-.100	300.0	240.0	48.0	39.0	

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-3 (Contd)

CO-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO ₃ (MG/L)	OIL AND GREASE (MG/L)		PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)		SH (MG/L)	SO ₄ (MG/L)	CL (MG/L)	COU (MG/L)	CR (MG/L)	CU (MG/L)
WA32	82	11	-0.010	-0.50	-10.0	-0.0010	-0.0010	.8	.60	580.0	580.0	-5	19.0	4.5	-50.0	-0.020	-0.020
WA44	82	8	-0.010	-0.50	-10.0	-0.0000	-0.0000	1.5	.40	830.0	830.0	-5	180.0	11.0	-50.0	-0.020	-0.020
		12	-0.010	-0.50	-10.0	-0.0010	-0.0010	1.2	.30	900.0	900.0	6.0	300.0	10.0	-50.0	-0.020	-0.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-3 (Contd)

CH-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MIN (MG/L)	FE (MG/L)	F (MG/L)
XX32	82	11	12.0		.07		.00040	-.010		-.020	.020	-.05	.050	.07	22.00
XX44	82	8	19.0		.08		-.00020	-.010		-.020	.020	-.05	.060	.02	5.90
	12	16.0			.01		-.00020	-.010	-.010	-.020	.020	-.05	.060	-.02	4.50

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-4

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 UPPER PARACHUTE - CREEK 1

WELL	YR	MO	PH	UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	---	---	----	-----	-----	-----
WD12	82	11	8.9		1270.0	8.5
WD20	82	12	9.7		1150.0	10.0
WD57	82	11	8.0		1110.0	9.0
WD90	82	8	7.3		3450.0	16.0
		11	7.4		3520.0	15.0

TABLE 2.2.2.4-5

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - GREEN J

WELL	YR	MO	TOTAL ALK (MG/L CACO ₃)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO ₃ (MG/L CACO ₃)	CO ₃ (MG/L CACO ₃)	BM (MG/L)	HARDNESS (MG/L CACO ₃)	NA (MG/L)	HG (MG/L)	CA (MG/L)
W012	82	11	480.0	-0.100	.500	-0.020	-0.50	460.0	20.0	-0.100	230.0	210.0	50.0	7.9
W020	82	12	370.0	-0.100	.400	-0.020	-0.50	370.0	-1.0	-0.100	120.0	270.0	24.0	6.2
W057	82	11	420.0	-0.100	.400	-0.020	-0.50	400.0	20.0	.500	260.0	170.0	46.0	28.0

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NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-5 (Contd)

CH-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

		OIL AND				TOTAL													
		GREASE		DISS		SOLIDS		SM		SU4		CL		CUD		CH		CU	
		(MG/L)		(MG/L)		(MG/L)		(MG/L)		(MG/L)		(MG/L)		(MG/L)		(MG/L)		(MG/L)	
WELL	YR	MO	NO3	PHEN	K	B	SOLIDS	SM	SU4	CL	CUD	CH	CU						
---	---	---	---	---	---	---	---	---	---	---	---	---	---						
W012	82	11	-0.010	-0.0010	.5	.20	760.0	.6	160.0	8.5	-50.0	-.020	.020						
W020	82	12	.050	-0.0010	3.2	.40	780.0	-.5	160.0	46.0	-50.0	-.020	-.020						
W057	82	11	.200	-0.0010	2.0	.40	770.0	.9	190.0	16.0	-50.0	-.020	-.020						

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NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-5 (Contd)

CR-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	SIU2	CN	TOTAL PHOSPHATE	N KJELD.	HG	SE	AG	ZN	PB	LI	MN	FE	F
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WD12	82	11	5.2		.04		-.00020	-.010		-.020	.020	-.05	.020	.02	2.60
WD20	82	12	1.0		.30		-.00020	-.010	-.010	-.020	.020	.30	.030	-.02	2.70
WD57	82	11	20.0		.56		-.00020	-.010		-.020	.020	.07	.020	.06	.40
WD90	82	8													
		11													

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-6

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 UPPER PARACHUTE - CREEK 2

WELL	YR	MO	PH	UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	---	---	----	-----	-----	-----
WE20	82	12	9.2		2740.0	9.0

TABLE 2.2.2.4-7

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MU	12	TOTAL ALK (MG/L CA _{CO} ₃)	AL (MG/L)	AMMONIA		AS (MG/L)	BA (MG/L)	HCO₃ (MG/L)	CO₃ (MG/L)	BR (MG/L)	HARDNESS (MG/L CA _{CO} ₃)		NA (MG/L)	MG (MG/L)	CA (MG/L)
						AS N (MG/L)											
WE20	82	12		1400.0	-0.100	.500		-0.020	-0.50	1300.0	50.0	.100	13.0		1000.0	3.2	-0.5

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-7 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	OIL AND GREASE		NO ₃	PHENOLS		K	B	TOTAL DISS		SR	SO ₄		CL	CUD	CR	CU
			MG/L	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	MG/L	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WE20	82	12	.010	-10.0	-0.010	8.3	2.00	1800.0	-0.5	6.8	96.0	-50.0	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-7 (Contd)

CB-TM4CT QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES UPPER PARACHUTE - CREEK 2															
WELL	YR	MU	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WE20	82	12	1.5		.66		-.00020	-.010		-.020	.080	.20	.020	.10	37.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.4-8

5 Year Statistics of Water Analyses of Upper Aquifers and
UPC₁, UPC₂ Zones

<u>Well Name</u>	<u>Computer Code</u>	<u>Page No.</u>
CB-2	WX02	I-475
CB-2 Recompleted (UPC ₁)	WD02	I-477
CB-4	WX04	I-479
CB-4 Recompleted (UPC ₂)	WE04	I-481
*SG-10A	WX10	I-483
SG-10A-2 Recompleted (UPC ₂)	WE51	I-485
SG-1A-2 Recompleted (UPC ₁)	WD11	I-487
SG-1-2	WX12	I-489
S-1-2 Recompleted (UPC ₁)	WD12	I-491
14X-7	WX14	I-493
14X-7-1 Recompleted (UPC ₁)	WD14	I-495
SG-17-2	WX17	I-497
SG-17-2 Recompleted (UPC ₂)	WE17	I-499
SG-17-3 Recompleted (UPC ₁)	WD17	I-501
*SG-18	WX18	I-503
SG-18A-2 Recompleted (UPC ₂)	WE18	I-505
SG-18A-3 Recompleted (UPC ₁)	WD18	I-507
SG-19	WX19	I-509
*SG-20	WX20	I-511
SG-20-2 Recompleted (UPC ₂)	WE20	I-513
SG-20-3 Recompleted (UPC ₁)	WD20	I-515
*SG-21	WX21	I-517
SG-21-3 Recompleted (UPC ₂)	WE21	I-519
SG-21-4 Recompleted (UPC ₁)	WD21	I-521
32X-12	WX32	I-523
33X-1	WX33	I-525
AT-1A1	WX38	I-527
AT-1D-3 (UPC ₁)	WD41	I-529
AT-1C-3	WX44	I-531
SG-11-3	WX55	I-533
SG-11-3 Recompleted (UPC ₁)	WD52	I-535
SG-11-2 Recompleted (UPC ₂)	WE52	I-537
SG-6-3	WX63	I-539
SG-6-3 Recompleted (UPC ₁)	WD61	I-541
SG-6-1 Recompleted (UPC ₂)	WE61	I-543
SG-9-2	WX92	I-545
SG-9-3 Recompleted (UPC ₁)	WD91	I-547
SG-10 Recompletion 2 (UPC ₂)	WD90	I-549

* Wells have strings recompleted to LPC₃ or LPC₄ zones. Refer to Lower Aquifer Wells section for statistics tables.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=4402

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	518.33	64.01	450.00	640.00
AL	AL	6	0.22	0.15	0.10	0.40
AMS	AMS	6	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	6	0.50	0.00	0.50	0.50
MCU3	MCU3	6	436.67	85.44	380.00	600.00
BUD	BUD	6	6.10	4.20	1.00	11.00
B	B	6	0.10	0.05	0.04	0.20
BM	BM	5	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	.	1.00	1.00
CD	CD	4	0.02	0.00	0.02	0.02
CA	CA	6	9.28	4.56	5.10	18.00
CU3	CU3	6	19.67	37.85	38.00	120.00
CL	CL	6	17.87	11.20	5.20	39.00
CR	CR	6	0.03	0.02	0.02	0.08
CUD	CUD	6	11.38	8.87	2.00	28.00
CU	CU	6	0.03	0.02	0.02	0.06
DU	DU	4	6.22	3.86	4.00	12.00
DUC	DUC	5	11.26	17.13	0.10	41.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	6	1.14	0.48	0.50	1.70
HAMU	HAMU	6	44.33	10.48	36.00	65.00
FE	FE	6	0.21	0.27	0.01	0.50
KJN	KJN	5	0.77	0.29	0.40	1.10
PH	PH	6	0.07	0.07	0.02	0.20
LI	LI	6	0.07	0.01	0.04	0.08
MG	MG	6	4.85	0.87	3.70	6.00
MN	MN	6	0.03	0.02	0.02	0.07
HG	HG	5	0.01	0.01	0.00	0.02
MULY	MULY	6	0.04	0.03	0.02	0.10
NI	NI	6	0.04	0.03	0.02	0.10
NO3	NO3	6	17.30	24.84	0.10	59.00
ULGR	ULGR	6	11.17	8.57	5.00	28.00
S203	S203	2	5.50	0.71	5.00	6.00
PH	PH	4	5.50	0.71	5.00	6.00
K	K	6	6.40	1.56	8.30	8.80
RA	RA	3	5.23	0.55	4.80	4.50
BTH	BTH	2	36.50	28.99	16.00	57.00
RM	RM	1	1.40	.	1.40	1.40
SE	SE	4	0.02	0.01	0.01	0.03
AG	AG	6	0.01	0.01	0.01	0.02
NA	NA	6	366.67	16.33	340.00	390.00
TUS	TUS	3	1033.33	57.74	1000.00	1100.00
SUL5	SUL5	3	1100.00	105.36	990.00	1200.00
SPC	SPC	4	1625.00	132.29	1500.00	1800.00
SM	SM	6	2.13	0.64	1.20	3.00
S04	S04	6	277.33	89.99	124.00	390.00
TEMP	TEMP	6	12.05	6.35	4.60	20.00
ZN	ZN	6	0.16	0.40	0.01	1.00
TUC	TUC	3	43.67	15.28	27.00	57.00
PHEN	PHEN	5	0.01	0.01	0.00	0.03
CYAN	CYAN	0	.	.	.	.
NH3	NH3	5	0.28	0.26	0.04	0.71

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 150

LUC=MA02

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
Im	Im	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
Sd	Sd	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	2	0.02	0.00	0.02	0.02
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
RECR	RECR	U

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=WD02

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	360.00	.	360.00	360.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HC03	HC03	1	140.00	.	140.00	140.00
BOD	BOD	1	150.00	.	150.00	150.00
B	B	1	0.10	.	0.10	0.10
BR	BR	1	0.10	.	0.10	0.10
TCOLIF	TCOLIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	6.70	.	6.70	6.70
CO3	CO3	1	220.00	.	220.00	220.00
CL	CL	1	30.00	.	30.00	30.00
CR	CR	1	0.02	.	0.02	0.02
COD	COD	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	3.07	.	3.07	3.07
DUC	DUC	1	7.00	.	7.00	7.00
LAS	LAS	0	.	.	.	.
F	F	0	0.80	.	0.80	0.80
HARD	HARD	1	91.00	.	91.00	91.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	0.80	.	0.80	0.80
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	18.00	.	18.00	18.00
MN	MN	1	0.02	.	0.02	0.02
HG	HG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
ULGH	ULGH	1	10.00	.	10.00	10.00
S203	S203	0	.	.	.	.
PH	PH	1	5.70	.	5.70	5.70
K	K	1	2.00	.	2.00	2.00
HA	HA	1	6.00	.	6.00	6.00
BTH	BTH	0	.	.	.	.
MM	MM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	280.00	.	280.00	280.00
TDS	TDS	1	910.00	.	910.00	910.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	1320.00	.	1320.00	1320.00
SH	SH	1	0.90	.	0.90	0.90
S04	S04	1	380.00	.	380.00	380.00
TEMP	TEMP	1	17.00	.	17.00	17.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.03	.	0.03	0.03
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.50	.	0.50	0.50

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WD02

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	1	2.00	.	2.00	2.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
HB	HB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
M	M	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSF	TSF	0	.	.	.	.
M22R	M22R	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 151
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LOC=WX04

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	4	330.00	61.64	280.00	420.00
AL	AL	4	0.15	0.06	0.10	0.20
AMS	AMS	4	0.02	0.00	0.02	0.02
FCULIF	FCULIF	0				
BA	BA	4	0.57	0.15	0.50	0.80
HCO3	HCO3	4	307.50	73.20	250.00	410.00
HOU	HOU	4	5.15	2.68	2.00	8.00
B	B	4	0.11	0.08	0.04	0.22
BR	BR	3	0.10	0.00	0.10	0.10
TCULIF	TCULIF	0				
CU	CU	2	0.02	0.00	0.02	0.02
CA	CA	4	18.00	8.04	6.00	23.00
CO3	CO3	4	22.25	26.36	1.00	60.00
CL	CL	4	9.88	4.09	7.50	16.00
CR	CR	4	0.04	0.04	0.02	0.10
COD	COD	4	32.00	18.11	6.00	48.00
CU	CU	4	0.06	0.09	0.02	0.20
DU	DU	2	3.30	0.28	3.10	3.50
DUC	DUC	4	10.55	12.09	0.10	28.00
LAS	LAS	0				
F	F	4	1.04	0.48	0.40	1.50
HAMD	HAMD	4	134.00	31.37	100.00	170.00
FE	FE	4	1.39	2.41	0.08	5.00
KJN	KJN	4	1.14	0.85	0.50	2.40
PH	PH	4	0.06	0.03	0.02	0.10
LI	LI	4	0.04	0.01	0.03	0.05
MG	MG	4	13.75	8.88	2.00	22.00
MN	MN	4	0.10	0.07	0.06	0.20
MG	MG	3	0.01	0.01	0.00	0.02
MULY	MULY	4	0.04	0.04	0.02	0.10
NI	NI	4	0.05	0.04	0.02	0.10
NO3	NO3	4	31.13	59.25	0.50	120.00
ULGH	ULGH	4	5.75	3.30	1.00	8.00
SZU3	SZU3	0				
PH	PH	3				
K	K	4	0.70	0.18	0.50	0.90
HA	HA	1	0.80		0.80	0.80
HTR	HTR	1	0.00		0.00	0.00
MM	MM	0				
SE	SE	2	0.01	0.01	0.01	0.02
AG	AG	4	0.01	0.01	0.01	0.02
NA	NA	4	141.25	28.98	110.00	180.00
TUS	TUS	2	520.00	56.57	480.00	560.00
SOLS	SOLS	2	573.50	61.52	530.00	617.00
SPC	SPC	3	845.00	126.79	700.00	935.00
SM	SM	4	7.02	0.71	6.50	8.00
SUA	SUA	4	133.25	33.10	105.00	180.00
TEMP	TEMP	3	18.00	1.00	17.00	19.00
ZN	ZN	4	0.28	0.49	0.01	1.00
TUC	TUC	1	79.00		79.00	79.00
PHEN	PHEN	3	0.00	0.00	0.00	0.00
CYAN	CYAN	0				
NHJ	NHJ	3	0.48	0.39	0.04	0.80

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=K04

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
ST02	ST02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CJ	CJ	2	0.02	0.00	0.02	0.02
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
HA	HA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
K22B	K22B	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=4EU4

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	380.00	.	380.00	380.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUJ	MCUJ	1	380.00	.	380.00	380.00
DOU	DOU	1	150.00	.	150.00	150.00
B	B	1	0.10	.	0.10	0.10
BM	BM	1	0.80	.	0.80	0.80
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	54.00	.	54.00	54.00
CUJ	CUJ	1	1.00	.	1.00	1.00
CL	CL	1	14.00	.	14.00	14.00
CK	CK	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	4.03	.	4.03	4.03
UUC	UUC	1	3.00	.	3.00	3.00
LAS	LAS	0	.	.	.	.
F	F	1	0.20	.	0.20	0.20
FIARD	FIARD	1	320.00	.	320.00	320.00
FE	FE	1	0.04	.	0.04	0.04
KJN	KJN	1	0.10	.	0.10	0.10
PD	PD	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	45.00	.	45.00	45.00
MN	MN	1	0.20	.	0.20	0.20
MG	MG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NUJ	NUJ	1	0.50	.	0.50	0.50
OLGR	OLGR	1	10.00	.	10.00	10.00
SZUJ	SZUJ	0	.	.	.	.
PH	PH	1	7.92	.	7.92	7.92
K	K	1	3.90	.	3.90	3.90
MA	MA	1	1.00	.	1.00	1.00
BIR	BIR	1	6.00	.	6.00	6.00
MM	MM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	140.00	.	140.00	140.00
TUS	TUS	1	720.00	.	720.00	720.00
SOLS	SOLS	0	.	.	.	.
SFC	SFC	1	1150.00	.	1150.00	1150.00
SM	SM	1	4.40	.	4.40	4.40
SU4	SU4	1	180.00	.	180.00	180.00
TEMP	TEMP	1	16.00	.	16.00	16.00
ZN	ZN	1	0.02	.	0.02	0.02
FUC	FUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	1	0.04	.	0.04	0.04

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WEU4

VARIABLE	LABEL	V	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIUC	SIUC	I	23.00	.	23.00	23.00
J	J	J	.	.	.	.
SISS	SISS	J	.	.	.	.
IM	IM	J	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SI	SI	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
TH	TH	U	.	.	.	.
GE	GE	J	.	.	.	.
SA	SA	J	.	.	.	.
FI	FI	J	.	.	.	.
SI	SI	U	.	.	.	.
SC	SC	U	.	.	.	.
*	*	U	.	.	.	.
LU	LU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
UM	UM	U	.	.	.	.
UM	UM	U	.	.	.	.
PA	PA	U	.	.	.	.
AA	AA	U	.	.	.	.
SCN	SCN	I	0.10	.	0.10	0.10
TURN	TURN	J	.	.	.	.
FF	FF	U	.	.	.	.
TSF	TSF	U	.	.	.	.
TCEN	TCEN	U	.	.	.	.

LUC=X10

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	400.00	26.46	370.00	420.00
AL	AL	3	0.17	0.12	0.10	0.30
AMS	AMS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	0.00	1.00	1.00
BA	BA	3	0.50	0.00	0.50	0.50
MCUJ	MCUJ	3	383.33	37.86	340.00	410.00
BUU	BUU	3	5.77	2.25	4.00	8.30
B	B	3	0.11	0.08	0.04	0.20
BM	BM	3	0.20	0.10	0.10	0.30
TCULIF	TCULIF	1	1.00	0.00	1.00	1.00
CD	CD	3	0.02	0.00	0.02	0.02
CA	CA	3	59.33	11.93	51.00	73.00
CUJ	CUJ	3	17.00	14.73	1.00	30.00
CL	CL	3	11.87	11.69	2.60	25.00
CM	CM	3	0.05	0.05	0.02	0.10
CUD	CUD	3	12.10	10.53	4.00	24.00
CU	CU	3	0.08	0.10	0.02	0.20
DU	DU	2	2.70	0.42	2.40	3.00
DUC	DUC	2	0.55	0.64	0.10	1.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	3	0.83	0.68	0.33	1.60
MAKU	MAKU	3	376.67	68.07	300.00	430.00
FE	FE	3	6.50	6.87	0.50	14.00
KJN	KJN	2	1.56	0.79	1.00	2.12
PH	PH	3	0.06	0.04	0.02	0.10
LI	LI	3	0.04	0.03	0.02	0.07
MG	MG	3	46.33	13.60	36.00	62.00
MN	MN	3	0.12	0.07	0.08	0.20
MG	MG	3	0.01	0.01	0.00	0.02
MULY	MULY	3	0.07	0.04	0.02	0.10
NI	NI	3	0.05	0.04	0.02	0.10
NOJ	NOJ	3	11.70	17.64	0.10	32.00
OLGM	OLGM	3	20.00	8.89	13.00	30.00
S203	S203	2	7.00	7.07	2.00	12.00
PH	PH	2	0.80	0.26	0.50	1.60
K	K	3	2.10	1.13	1.30	3.00
KA	KA	2	3.00	0.00	3.00	3.00
BTM	BTM	2	0.02	0.00	0.02	0.02
MM	MM	0	0.01	0.01	0.01	0.02
SE	SE	2	636.67	747.82	190.00	1500.00
AG	AG	2	0.00	0.00	0.00	0.00
NA	NA	3	0.00	0.00	0.00	0.00
TUS	TUS	0	0.00	0.00	0.00	0.00
SOLS	SOLS	2	995.00	7.07	990.00	1000.00
SPC	SPC	2	1500.00	0.00	1500.00	1500.00
SM	SM	3	9.20	2.31	6.00	11.00
SU4	SU4	3	350.00	17.32	330.00	360.00
TEMP	TEMP	2	15.50	2.12	14.00	17.00
ZN	ZN	3	0.07	0.04	0.02	0.10
TUC	TUC	3	22.00	20.52	1.00	42.00
PHEM	PHEM	3	0.00	0.00	0.00	0.00
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NHJ	NHJ	0	0.41	0.28	0.20	0.73

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 10:10 THURSDAY, JANUARY 13, 1983 154

LUCE#X10

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
HH	HH	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
FI	FI	U	.	.	.	.
SC	SC	U	.	.	.	.
.	.	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U
UH	UH	U
CH	CH	U
PA	PA	U
AA	AA	U
SCN	SCN	U
TUM4	TUM4	U
FF	FF	U
ISSF	ISSF	U
KE2B	KE2B	U

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUG=ME31

VARIABLE	UNIT	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
FAIR	1	140.00	.	140.00	140.00
AL	1	0.10	.	0.10	0.10
ARS	1	0.02	.	0.02	0.02
FCULIF	1	.	.	.	.
DA	1	0.50	.	0.50	0.50
TCJ3	1	30.00	.	30.00	30.00
TCJ3	1	150.00	.	150.00	150.00
3	1	0.40	.	0.40	0.40
TR	1	0.10	.	0.10	0.10
FCULIF	1	.	.	.	.
CU	1	.	.	.	.
CA	1	1.70	.	1.70	1.70
CU3	1	100.00	.	100.00	100.00
CU	1	170.00	.	170.00	170.00
CR	1	0.02	.	0.02	0.02
CU3	1	30.00	.	30.00	30.00
CU	1	0.02	.	0.02	0.02
CU	1	1.52	.	1.52	1.52
CU	1	10.00	.	10.00	10.00
CU	1	11.00	.	11.00	11.00
CU	1	10.00	.	10.00	10.00
CU	1	0.40	.	0.40	0.40
CU	1	3.00	.	3.00	3.00
CU	1	0.02	.	0.02	0.02
CU	1	0.10	.	0.10	0.10
CU	1	0.50	.	0.50	0.50
CU	1	0.02	.	0.02	0.02
CU	1	0.00	.	0.00	0.00
CU	1	0.20	.	0.20	0.20
CU	1	0.02	.	0.02	0.02
CU	1	0.50	.	0.50	0.50
CU	1	10.00	.	10.00	10.00
CU	1	.	.	.	.
CU	1	30.00	.	30.00	30.00
CU	1	.	.	.	.
CU	1	.	.	.	.
CU	1	0.01	.	0.01	0.01
CU	1	0.01	.	0.01	0.01
CU	1	220.00	.	220.00	220.00
CU	1	740.00	.	740.00	740.00
CU	1	.	.	.	.
CU	1	1100.00	.	1100.00	1100.00
CU	1	0.50	.	0.50	0.50
CU	1	130.00	.	130.00	130.00
CU	1	20.00	.	20.00	20.00
CU	1	0.02	.	0.02	0.02
CU	1	0.04	.	0.04	0.04
CU	1	.	.	.	.
CU	1	3.20	.	3.20	3.20

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUCE#ED1

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	9	1.00	.	1.00	.
SIUC	SIUC	1	1.00	.	1.00	1.00
U	U	9	.	.	.	.
SUSS	SUSS	9	.	.	.	.
IN	IN	9	.	.	.	.
CS	CS	9	.	.	.	.
I	I	9	.	.	.	.
SB	SB	9	.	.	.	.
ZK	ZK	9	.	.	.	.
Y	Y	9	.	.	.	.
RB	RB	9	.	.	.	.
GE	GE	9	.	.	.	.
PA	PA	9	.	.	.	.
FI	FI	9	.	.	.	.
SC	SC	9	.	.	.	.
A	A	9	.	.	.	.
CU	CU	9	.	.	.	.
V	V	9	.	.	.	.
DE	DE	9	.	.	.	.
UN	UN	9	.	.	.	.
LM	LM	9	.	.	.	.
PA	PA	9	.	.	.	.
TA	TA	9	.	.	.	.
SCN	SCN	9	.	.	.	.
LUK	LUK	1	0.40	0.40	0.40	0.40
RF	RF	9	.	.	.	.
ISSF	ISSF	9	.	.	.	.
NEEN	NEEN	9	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=MD11

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	330.00	.	330.00	330.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HCU3	HCU3	1	30.00	.	30.00	30.00
BOD	BOD	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
BR	BR	1	0.10	.	0.10	0.10
TCOLIF	TCOLIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	13.00	.	13.00	13.00
CO3	CO3	1	300.00	.	300.00	300.00
CL	CL	1	63.00	.	63.00	63.00
CH	CH	1	0.02	.	0.02	0.02
COD	COD	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	5.80	.	5.80	5.80
DUC	DUC	1	10.00	.	10.00	10.00
LAS	LAS	1	.	.	.	.
F	F	1	1.80	.	1.80	1.80
HARD	HARD	1	140.00	.	140.00	140.00
FE	FE	1	0.04	.	0.04	0.04
KJN	KJN	1	1.10	.	1.10	1.10
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.10	.	0.10	0.10
MG	MG	1	27.00	.	27.00	27.00
MN	MN	1	0.02	.	0.02	0.02
HG	HG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.02	.	0.02	0.02
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
ULGH	ULGH	1	10.00	.	10.00	10.00
S2O3	S2O3	0	.	.	.	.
PH	PH	1	23.00	.	23.00	23.00
K	K	1	1.00	.	1.00	1.00
RA	RA	1	20.00	.	20.00	20.00
BTR	BTR	1	.	.	.	.
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	230.00	.	230.00	230.00
TUS	TUS	1	930.00	.	930.00	930.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	1170.00	.	1170.00	1170.00
SH	SH	1	1.80	.	1.80	1.80
S04	S04	1	230.00	.	230.00	230.00
TEMP	TEMP	1	19.00	.	19.00	19.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0
NH3	NH3	1	1.10	.	1.10	1.10

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=#011

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	1	9.00	.	9.00	9.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
K22B	K22B	0	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=MAX12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	0	590.00	120.33	480.00	780.00
AL	AL	0	0.15	0.08	0.10	0.30
AKS	AKS	0	0.05	0.07	0.02	0.20
FCULIF	FCULIF	1	1.00	0.00	1.00	1.00
BA	BA	0	0.50	0.00	0.50	0.50
HCU3	HCU3	0	510.83	136.47	390.00	740.00
HUO	HUO	0	20.50	23.57	3.00	67.00
3	3	0	0.29	0.18	0.04	0.60
HK	HK	3	0.14	0.09	0.10	0.30
TCULIF	TCULIF	1	1.00	0.00	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	0	22.03	11.49	8.20	34.00
CJ3	CJ3	0	80.17	92.78	1.00	260.00
CL	CL	0	14.03	16.36	3.20	47.00
CM	CM	0	0.04	0.03	0.02	0.10
CUO	CUO	0	25.33	32.56	1.00	84.00
CU	CU	0	0.05	0.07	0.02	0.20
DU	DU	4	4.30	2.61	2.00	8.00
DUC	DUC	3	49.64	98.48	0.10	225.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	0	8.35	6.13	2.90	16.00
HMADU	HMADU	0	214.00	105.64	74.00	330.00
FE	FE	0	2.29	3.40	0.02	8.00
KJN	KJN	3	1.22	0.98	0.30	2.90
PH	PH	0	0.05	0.04	0.02	0.10
LI	LI	0	0.05	0.01	0.03	0.07
M3	M3	0	27.07	20.42	10.00	60.00
YN	YN	0	0.08	0.06	0.03	0.20
MG	MG	3	0.01	0.01	0.00	0.02
MULY	MULY	0	0.03	0.03	0.01	0.10
NI	NI	0	0.07	0.07	0.02	0.20
NO3	NO3	0	11.45	16.17	0.10	38.00
ULGM	ULGM	0	6.83	6.97	1.00	20.00
SZU3	SZU3	2	6.00	7.07	1.00	11.00
PH	PH	4	1.17	1.02	0.10	2.80
K	K	0	0.40	0.52	0.60	1.50
MA	MA	3	22.50	24.75	5.00	40.00
HFM	HFM	1	0.70	0.00	0.70	0.70
SE	SE	4	0.02	0.01	0.01	0.02
AG	AG	0	0.01	0.01	0.01	0.02
NA	NA	0	278.33	90.20	190.00	420.00
TUS	TUS	2	785.00	21.21	770.00	800.00
SULS	SULS	3	870.00	10.00	860.00	880.00
SPC	SPC	4	1277.50	155.00	1200.00	1510.00
SK	SK	0	8.28	4.58	2.20	13.00
SU4	SU4	0	107.67	83.07	16.00	220.00
TEMP	TEMP	4	15.50	3.70	10.00	18.00
ZN	ZN	0	0.18	0.40	0.01	1.00
TUC	TUC	3	151.67	213.59	16.00	396.00
PHEN	PHEN	3	0.00	0.00	0.00	0.01
CYAIN	CYAIN	0	0.00	0.00	0.00	0.01
NH3	NH3	2	1.32	1.15	0.50	3.34

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LUC=MA12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SI05	SI05	0	.	.	.	.
IM	IM	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZM	ZM	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	2	0.02	0.01	0.02	0.03
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TUR	TUR	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
RZEB	RZEB	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WD12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	470.00	.	470.00	470.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HCO3	HCO3	1	400.00	.	400.00	400.00
HOD	HOD	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
BR	BR	1	0.10	.	0.10	0.10
TCOLIF	TCOLIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	29.00	.	29.00	29.00
CO3	CO3	1	66.00	.	66.00	66.00
CL	CL	1	10.00	.	10.00	10.00
CR	CR	1	0.02	.	0.02	0.02
CUD	CUD	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	3.95	.	3.95	3.95
DUC	DUC	1	5.00	.	5.00	5.00
LAS	LAS	0	.	.	.	.
F	F	1	2.50	.	2.50	2.50
HARD	HARD	1	280.00	.	280.00	280.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	0.40	.	0.40	0.40
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	51.00	.	51.00	51.00
MN	MN	1	0.06	.	0.06	0.06
HG	HG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
ULGH	ULGH	1	10.00	.	10.00	10.00
S2O3	S2O3	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	3.20	.	7.90	7.90
RA	RA	1	4.00	.	3.20	3.20
BTH	BTH	1	5.00	.	4.00	4.00
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	190.00	.	190.00	190.00
TDS	TDS	1	790.00	.	790.00	790.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	1000.00	.	1000.00	1000.00
SH	SH	1	14.00	.	14.00	14.00
SU4	SU4	1	220.00	.	220.00	220.00
TEMP	TEMP	1	20.00	.	20.00	20.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.30	.	0.30	0.30

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WD12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	1	12.00	.	12.00	12.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R22B	R22B	0	.	.	.	.

LUC=K14

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	380.00	.	380.00	380.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUS	MCUS	1	380.00	.	380.00	380.00
HUU	HUU	1	9.00	.	9.00	9.00
B	B	1	0.10	.	0.10	0.10
BR	BR	1	0.10	.	0.10	0.10
ICULIF	ICULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	70.00	.	70.00	70.00
COJ	COJ	1	1.00	.	1.00	1.00
CL	CL	1	6.50	.	6.50	6.50
CM	CM	1	0.02	.	0.02	0.02
COU	COU	1	2.00	.	2.00	2.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	6.20	.	6.20	6.20
DUC	DUC	1	4.00	.	4.00	4.00
LAS	LAS	0	.	.	.	.
F	F	1	0.20	.	0.20	0.20
HARD	HARD	1	380.00	.	380.00	380.00
FE	FE	1	0.03	.	0.03	0.03
KUN	KUN	1	0.30	.	0.30	0.30
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	51.00	.	51.00	51.00
MN	MN	1	0.04	.	0.04	0.04
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NUJ	NUJ	1	0.50	.	0.50	0.50
ULOR	ULOR	1	9.00	.	9.00	9.00
SZUJ	SZUJ	0	.	.	.	.
PH	PH	1	1.30	.	1.30	1.30
K	K	1	24.00	.	24.00	24.00
KA	KA	0	.	.	.	.
HTH	HTH	1	0.01	.	0.01	0.01
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	180.00	.	180.00	180.00
TUS	TUS	1	1000.00	.	1000.00	1000.00
SULS	SULS	0	.	.	.	.
SPL	SPL	1	1310.00	.	1310.00	1310.00
SR	SR	1	11.00	.	11.00	11.00
SU+	SU+	1	390.00	.	390.00	390.00
TEMP	TEMP	1	18.00	.	18.00	18.00
ZW	ZW	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
MIJ	MIJ	1	0.10	.	0.10	0.10

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 158

LUG=K14

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
3U33	3U33	U	.	.	.	.
IN	IN	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
3B	3B	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
Kd	Kd	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
FI	FI	U	.	.	.	.
SC	SC	U	.	.	.	.
4	4	U	.	.	.	.
CU	CU	U	0.02	0.02	0.02	0.02
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCM	SCM	U	.	.	.	.
TURd	TURd	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
MZEH	MZEH	U

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=#014

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	330.00	.	330.00	330.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HCUJ	HCUJ	1	1.00	.	1.00	1.00
RDU	RDU	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
BM	BM	1	0.10	.	0.10	0.10
TCOLIF	TCOLIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	3.40	.	3.40	3.40
CUJ	CUJ	1	250.00	.	250.00	250.00
CL	CL	1	390.00	.	390.00	390.00
CH	CH	1	0.02	.	0.02	0.02
CUD	CUD	1	56.00	.	56.00	56.00
CU	CU	1	0.07	.	0.07	0.07
DU	DU	1	5.66	.	5.66	5.66
DUC	DUC	1	27.00	.	27.00	27.00
LAS	LAS	1	.	.	.	.
F	F	0	.	.	.	.
HARD	HARD	1	3.00	.	3.00	3.00
FE	FE	1	14.00	.	14.00	14.00
KJN	KJN	1	1.60	.	1.60	1.60
PB	PB	1	7.80	.	7.80	7.80
LI	LI	1	0.02	.	0.02	0.02
MG	MG	1	0.30	.	0.30	0.30
MN	MN	1	1.40	.	1.40	1.40
MG	MG	1	0.02	.	0.02	0.02
MULY	MULY	1	0.00	.	0.00	0.00
NI	NI	1	0.03	.	0.03	0.03
NOJ	NOJ	1	0.06	.	0.06	0.06
ULGH	ULGH	1	0.50	.	0.50	0.50
SCUJ	SCUJ	1	10.00	.	10.00	10.00
PH	PH	0	.	.	.	.
K	K	1	89.00	.	89.00	89.00
KA	KA	1	.	.	.	.
BTH	BTH	0	.	.	.	.
RM	RM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	440.00	.	440.00	440.00
TUS	TUS	1	1400.00	.	1400.00	1400.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	2300.00	.	2300.00	2300.00
SK	SK	1	0.50	.	0.50	0.50
SU4	SU4	1	280.00	.	280.00	280.00
TEMP	TEMP	1	19.00	.	19.00	19.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.08	.	0.08	0.08
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	1	6.40	.	6.40	6.40

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=MD14

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0				
SI02	SI02	1	7.50		7.50	7.50
U	U	0				
SUSS	SUSS	0				
TH	TH	0				
CS	CS	0				
I	I	0				
SB	SB	0				
ZK	ZK	0				
Y	Y	0				
RB	RB	0				
GE	GE	0				
GA	GA	0				
TI	TI	0				
SC	SC	0				
W	W	0				
CU	CU	0				
V	V	0				
BE	BE	0				
OH	OH	0				
CH	CH	0				
PA	PA	0				
MA	MA	0				
SCN	SCN	1	0.40		0.40	0.40
TURB	TURB	0				
FF	FF	0				
TSSF	TSSF	0				
R22B	R22B	0				

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=MAX17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	1026.00	501.79	750.00	1500.00
AL	AL	3	0.24	0.17	0.10	0.50
ARS	ARS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	3	0.60	0.36	0.50	1.30
NCUS	NCUS	3	928.00	298.11	620.00	1370.00
ROD	ROD	3	20.34	30.43	2.00	74.00
B	B	3	1.29	0.33	1.00	1.80
BR	BR	4	0.10	0.00	0.10	0.10
FCULIF	FCULIF	1	1.00	.	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	3	6.58	1.50	5.20	9.00
CUS	CUS	3	98.20	30.84	51.00	130.00
CL	CL	3	11.80	5.85	2.00	16.00
CR	CR	3	0.04	0.04	0.02	0.10
CUD	CUD	3	31.00	40.85	2.00	96.00
CU	CU	3	0.00	0.08	0.02	0.20
DU	DU	3	1.63	0.78	1.00	2.50
UUC	UUC	4	56.05	111.30	0.10	223.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	3	19.00	0.71	18.00	20.00
PARU	PARU	3	73.80	71.85	25.00	200.00
FE	FE	3	1.26	2.10	0.02	5.00
KJN	KJN	4	1.36	1.14	0.51	3.00
PD	PD	3	0.08	0.08	0.02	0.20
LI	LI	3	0.05	0.02	0.02	0.07
AG	AG	3	3.80	0.84	2.90	5.00
AN	AN	4	0.06	0.08	0.02	0.20
MG	MG	3	0.02	0.01	0.00	0.02
MULY	MULY	3	0.04	0.04	0.02	0.10
NI	NI	3	0.04	0.03	0.02	0.10
NOJ	NOJ	3	39.88	68.18	0.10	160.00
OLGR	OLGR	3	7.20	5.81	1.00	16.00
SCUJ	SCUJ	2	6.50	7.78	1.00	12.00
PH	PH	3	2.14	1.30	0.20	9.00
K	K	3	3.85	5.32	3.10	3.10
RA	RA	4	5.75	3.77	0.60	12.00
TFH	TFH	4	.	.	3.00	11.00
RM	RM	0	0.02	0.00	0.02	0.02
SE	SE	3	0.01	0.01	0.01	0.02
AG	AG	3	770.00	799.64	380.00	2200.00
NA	NA	3	980.00	.	980.00	980.00
TUS	TUS	1	990.00	105.36	880.00	1090.00
SOLS	SOLS	3	1566.67	125.83	1450.00	1700.00
SPC	SPC	3	0.44	0.15	0.70	1.10
SM	SM	3	87.20	126.87	5.00	300.00
SUN	SUN	3	16.00	0.00	16.00	16.00
TEMP	TEMP	3	0.23	0.43	0.02	1.00
ZN	ZN	3	102.33	114.04	35.00	234.00
TUC	TUC	3	0.01	0.01	0.00	0.03
PHEN	PHEN	4	.	.	.	.
CYAN	CYAN	0	1.59	0.52	1.30	2.36
NH3	NH3	4	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 160

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	0.02	0.02	0.02	0.02
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
M22B	M22B	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=0217

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TAK	TAK	1	1500.00	.	1500.00	1500.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
HA	HA	1	2.00	.	2.00	2.00
WUS	WUS	1	1.00	.	1.00	1.00
WU	WU	1	150.00	.	150.00	150.00
3	3	1	0.20	.	0.20	0.20
TH	TH	1	0.10	.	0.10	0.10
FCOLIF	FCOLIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	990.00	.	990.00	990.00
CU3	CU3	1	1500.00	.	1500.00	1500.00
CL	CL	1	2100.00	.	2100.00	2100.00
CM	CM	1	0.02	.	0.02	0.02
CUU	CUU	1	150.00	.	150.00	150.00
CU	CU	1	0.20	.	0.20	0.20
UU	UU	1	3.95	.	3.95	3.95
UUC	UUC	1	34.00	.	34.00	34.00
LAS	LAS	0	.	.	.	.
F	F	1	1.20	.	1.20	1.20
TAU	TAU	1	2500.00	.	2500.00	2500.00
FE	FE	1	0.00	.	0.00	0.00
KUN	KUN	1	10.00	.	10.00	10.00
PS	PS	1	1.00	.	1.00	1.00
LI	LI	1	1.20	.	1.20	1.20
AG	AG	1	0.50	.	0.50	0.50
AN	AN	1	0.02	.	0.02	0.02
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.20	.	0.20	0.20
NI	NI	1	0.08	.	0.08	0.08
W3	W3	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SE03	SE03	0	.	.	.	.
PM	PM	1	.	.	.	.
A	A	1	330.00	.	330.00	330.00
TA	TA	0	.	.	.	.
3FM	3FM	0	.	.	.	.
MM	MM	0	.	.	.	.
DE	DE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
TA	TA	1	100.00	.	100.00	100.00
LU3	LU3	1	4000.00	.	4000.00	4000.00
WUS	WUS	0	.	.	.	.
3PC	3PC	1	10570.00	.	10570.00	10570.00
3M	3M	1	20.00	.	20.00	20.00
304	304	1	5.00	.	5.00	5.00
IC4P	IC4P	1	23.00	.	23.00	23.00
Z4	Z4	1	0.20	.	0.20	0.20
LOC	LOC	0	.	.	.	.
PMEM	PMEM	1	0.03	.	0.03	0.03
CFAN	CFAN	0	.	.	.	.
W3	W3	1	9.90	.	9.90	9.90

3 YEAR STATISTICS FOR WATER PERIOD OCTOBER 1977 TO SEPTEMBER 1982

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BU

LOG=REC17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	1.00	.	1.00	.
ST02	ST02	1	1.00	.	1.00	1.00
J	J	0	.	.	.	.
SUS5	SUS5	0	.	.	.	.
U	U	0	.	.	.	.
CS	CS	0	.	.	.	.
T	T	0	.	.	.	.
CC	CC	0	.	.	.	.
M7	M7	0	.	.	.	.
A	A	0	.	.	.	.
CU	CU	0	.	.	.	.
CE	CE	0
UM	UM	0
PA	PA	0
MA	MA	0
SCN	SCN	1	0.90	.	0.90	0.90
U4M	U4M	0
FF	FF	0
LSH	LSH	0
CCN	CCN	0

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=WD17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	1600.00	.	1600.00	1600.00
AL	AL	1	0.50	.	0.50	0.50
AKS	AKS	1	0.04	.	0.04	0.04
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MC03	MC03	1	1.00	.	1.00	1.00
BOD	BOD	1	150.00	.	150.00	150.00
B	B	1	4.80	.	4.80	4.80
BK	BK	1	0.10	.	0.10	0.10
ICOLIF	ICOLIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	1.90	.	1.90	1.90
C03	C03	1	1500.00	.	1500.00	1500.00
CL	CL	1	220.00	.	220.00	220.00
CK	CK	1	0.02	.	0.02	0.02
C0D	C0D	1	50.00	.	50.00	50.00
CU	CU	1	0.03	.	0.03	0.03
DO	DO	1	6.11	.	6.11	6.11
D0C	D0C	1	18.00	.	18.00	18.00
LAS	LAS	0	.	.	.	.
F	F	1	20.00	.	20.00	20.00
HARD	HARD	1	10.00	.	10.00	10.00
FE	FE	1	0.40	.	0.40	0.40
KJN	KJN	1	4.70	.	4.70	4.70
PB	PB	1	0.02	.	0.02	0.02
LI	LI	1	0.50	.	0.50	0.50
MG	MG	1	0.50	.	0.50	0.50
MN	MN	1	0.02	.	0.02	0.02
HG	HG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.20	.	0.20	0.20
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	1.10	.	1.10	1.10
ULGH	ULGH	1	10.00	.	10.00	10.00
S203	S203	0	.	.	.	.
PH	PH	1	33.00	.	33.00	33.00
K	K	1	.	.	.	.
RA	RA	0	.	.	.	.
BTR	BTR	0	.	.	.	.
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	980.00	.	980.00	980.00
TUS	TUS	1	1900.00	.	1900.00	1900.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	3810.00	.	3810.00	3810.00
SH	SH	1	0.50	.	0.50	0.50
S04	S04	1	250.00	.	250.00	250.00
TEMP	TEMP	1	23.00	.	23.00	23.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.07	.	0.07	0.07
CYAN	CYAN	0
NH3	NH3	1	4.60	.	4.60	4.60

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=WD17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	1	22.00	.	22.00	22.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R22B	R22B	0	.	.	.	.

LUC=XX18

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	2	420.00	28.28	400.00	440.00
AL	AL	2	0.10	0.00	0.10	0.10
ARS	ARS	2	0.02	0.00	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	2	0.50	0.00	0.50	0.50
RCUJ	RCUJ	2	335.00	49.50	300.00	370.00
HOU	HOU	2	10.20	12.45	1.40	19.00
H	H	2	0.65	0.64	0.20	1.10
SR	SR	2	0.10	0.00	0.10	0.10
ICULIF	ICULIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	2	27.80	32.81	4.80	51.00
CUJ	CUJ	2	85.00	21.21	70.00	100.00
CL	CL	2	21.10	23.50	4.20	38.00
CR	CR	2	0.02	0.00	0.02	0.02
CUU	CUU	2	15.26	15.26	4.00	26.00
CU	CU	2	0.02	0.00	0.02	0.02
UU	UU	1	4.80	.	4.80	4.80
DUC	DUC	2	2.50	0.71	2.00	3.00
LAS	LAS	0	.	.	.	.
P	P	2	5.05	1.20	4.20	5.90
MANU	MANU	2	194.50	177.48	69.00	320.00
FE	FE	2	0.11	0.13	0.02	0.20
KUN	KUN	2	1.15	1.48	0.10	2.20
PH	PH	2	0.02	0.00	0.02	0.02
LI	LI	2	0.05	0.00	0.05	0.05
AG	AG	2	30.00	22.83	14.00	48.00
MN	MN	2	0.03	0.01	0.02	0.04
MS	MS	2	0.01	0.01	0.00	0.02
MULY	MULY	2	0.01	0.01	0.01	0.02
NI	NI	2	0.02	0.00	0.02	0.02
NOJ	NOJ	2	8.25	10.96	0.50	16.00
ULGH	ULGH	2	2.00	0.00	2.00	2.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	.	.	7.80	7.80
K	K	2	0.40	0.00	0.40	0.40
RA	RA	2	2.55	2.76	0.60	4.50
AFH	AFH	1	28.00	.	28.00	28.00
RM	RM	1	1.70	0.01	1.70	1.70
SE	SE	2	0.01	0.01	0.01	0.02
AG	AG	2	0.01	0.00	0.01	0.01
NA	NA	2	145.00	7.07	140.00	150.00
IDS	IDS	2	600.00	240.92	430.00	770.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	1110.00	.	1110.00	1110.00
SR	SR	2	8.20	8.79	3.40	13.00
SU4	SU4	2	88.00	115.97	6.00	170.00
TEMP	TEMP	1	17.50	.	17.50	17.50
ZH	ZH	2	0.01	0.01	0.01	0.02
TUC	TUC	0	.	.	.	.
PHCV	PHCV	2	0.00	0.00	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NNJ	NNJ	2	0.07	0.04	0.04	0.10

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 162

LUC=MAX18

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSF	PSF	0	.	.	.	.
SLUC	SLUC	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
IR	IR	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SD	SD	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
MD	MD	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
M	M	0	.	.	.	.
CU	CU	2	0.02	0.00	0.02	0.02
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TUMB	TUMB	0	.	.	.	.
FF	FF	0	.	.	.	.
ISSF	ISSF	0	.	.	.	.
RZ28	RZ28	0	.	.	.	.

3 YEAR STATISTICS FOR AFTER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 81

LOC=KCLB

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	400.00	.	400.00	400.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
TA	TA	1	0.50	.	0.50	0.50
TCU3	TCU3	1	400.00	.	400.00	400.00
SOU	SOU	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
NR	NR	1	0.50	.	0.50	0.50
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	51.00	.	51.00	51.00
CU3	CU3	1	1.00	.	1.00	1.00
CL	CL	1	16.00	.	16.00	16.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	344.00	.	344.00	344.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	1.10	.	1.10	1.10
DUC	DUC	1	2.00	.	2.00	2.00
LAS	LAS	0	.	.	.	.
F	F	1	2.00	.	2.00	2.00
MARJ	MARJ	1	410.00	.	410.00	410.00
FE	FE	1	0.20	.	0.20	0.20
KJN	KJN	1	1.40	.	1.40	1.40
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.07	.	0.07	0.07
M3	M3	1	08.00	.	08.00	08.00
AN	AN	1	0.20	.	0.20	0.20
NU	NU	1	0.00	.	0.00	0.00
AULT	AULT	1	0.03	.	0.03	0.03
NI	NI	1	0.04	.	0.04	0.04
U3	U3	1	0.50	.	0.50	0.50
ULOR	ULOR	1	6.00	.	6.00	6.00
SCU3	SCU3	0	.	.	.	.
PH	PH	1	3.20	.	3.20	3.20
K	K	1	3.20	.	3.20	3.20
KA	KA	0	.	.	.	.
SH	SH	0	.	.	.	.
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
VA	VA	1	170.00	.	170.00	170.00
F3	F3	1	-10.00	.	-10.00	910.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	1220.00	.	1220.00	1220.00
SR	SR	1	11.00	.	11.00	11.00
SV4	SV4	1	310.00	.	310.00	310.00
IC4P	IC4P	1	21.00	.	21.00	21.00
EN	EN	1	0.04	.	0.04	0.04
FUC	FUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CFAB	CFAB	0	.	.	.	.
MS	MS	1	0.40	.	0.40	0.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 DC

LOC=010

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	0	.	.	.	.
SIUC	SIUC	1	10.00	.	10.00	10.00
U	U	0	.	.	.	.
SIUSS	SIUSS	0	.	.	.	.
IM	IM	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SM	SM	0	.	.	.	.
ZM	ZM	0	.	.	.	.
Y	Y	0	.	.	.	.
MD	MD	0	.	.	.	.
GE	GE	0	.	.	.	.
SA	SA	0	.	.	.	.
TI	TI	0	.	.	.	.
SL	SL	0	.	.	.	.
A	A	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
FE	FE	0	.	.	.	.
UM	UM	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SUN	SUN	1	0.10	.	0.10	0.10
TUMH	TUMH	0	.	.	.	.
PF	PF	0	.	.	.	.
ISSF	ISSF	0	.	.	.	.
ACCH	ACCH	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WD18

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	440.00	.	440.00	440.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HCO3	HCO3	1	440.00	.	440.00	440.00
BOD	BOD	1	150.00	.	150.00	150.00
B	B	1	0.10	.	0.10	0.10
BR	BR	1	0.90	.	0.90	0.90
ICOLIF	ICOLIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	45.00	.	45.00	45.00
CO3	CO3	1	1.00	.	1.00	1.00
CL	CL	1	6.10	.	6.10	6.10
CR	CR	1	0.02	.	0.02	0.02
COD	COD	1	229.00	.	229.00	229.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	1.06	.	1.06	1.06
DUC	DUC	1	1.00	.	1.00	1.00
LAS	LAS	0	.	.	.	.
F	F	1	1.80	.	1.80	1.80
HARD	HARD	1	370.00	.	370.00	370.00
FE	FE	1	0.50	.	0.50	0.50
KJN	KJN	1	0.70	.	0.70	0.70
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.07	.	0.07	0.07
MG	MG	1	63.00	.	63.00	63.00
MN	MN	1	0.20	.	0.20	0.20
HG	HG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.02	.	0.02	0.02
NI	NI	1	0.05	.	0.05	0.05
NO3	NO3	1	0.50	.	0.50	0.50
OLGH	OLGH	1	108.00	.	108.00	108.00
S2O3	S2O3	0	.	.	.	.
PH	PH	1	0.60	.	0.60	0.60
K	K	1	.	.	.	.
HA	HA	0	.	.	.	.
PTH	PTH	0	.	.	.	.
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	160.00	.	160.00	160.00
TUS	TUS	1	830.00	.	830.00	830.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	1150.00	.	1150.00	1150.00
SK	SK	1	11.00	.	11.00	11.00
SU4	SU4	1	270.00	.	270.00	270.00
TEMP	TEMP	1	19.00	.	19.00	19.00
ZN	ZN	1	0.08	.	0.08	0.08
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.40	.	0.40	0.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=WD18

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	20.00	.	.	.
SI02	SI02	1	20.00	.	20.00	20.00
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
R228	R228	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WX19

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	1140.00	482.70	400.00	1500.00
AL	AL	3	0.08	0.04	0.02	0.10
ARS	ARS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	3	2.20	1.02	1.00	3.40
HCUS	HCUS	3	990.00	410.57	330.00	1300.00
HUU	HUU	3	5.86	4.75	2.00	14.00
B	B	3	1.24	0.29	1.00	1.70
BM	BM	3	0.10	0.00	0.10	0.10
FCULIF	FCULIF	1	1.00	.	1.00	1.00
CU	CU	3	0.02	0.00	0.02	0.02
CA	CA	3	7.28	2.42	4.00	10.00
CU3	CU3	3	149.60	69.14	60.00	200.00
CL	CL	3	9.68	7.52	1.60	18.00
CA	CA	3	0.04	0.04	0.02	0.10
CUU	CUU	3	26.24	22.61	2.00	57.00
CU	CU	3	0.06	0.08	0.02	0.20
DU	DU	2	1.25	1.06	0.50	2.00
DUC	DUC	4	3.82	4.31	0.10	10.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	3	23.60	0.89	23.00	25.00
MARKU	MARKU	3	39.00	11.27	27.00	50.00
FE	FE	3	1.21	2.13	0.02	5.00
KUN	KUN	4	2.24	1.43	1.00	4.20
PS	PS	3	0.04	0.03	0.02	0.10
LI	LI	3	0.08	0.02	0.06	0.10
MG	MG	3	2.94	0.73	2.00	4.00
AN	AN	3	0.06	0.08	0.02	0.20
MG	MG	3	0.02	0.00	0.01	0.02
MJLY	MJLY	3	0.06	0.08	0.02	0.20
VI	VI	3	0.04	0.04	0.02	0.10
NO3	NO3	3	1.66	2.44	0.10	5.00
ULGR	ULGR	3	25.02	27.99	0.10	70.00
SCU3	SCU3	2	5.50	6.36	1.00	10.00
PH	PH	2	1.18	0.49	0.70	8.70
K	K	3	2.98	2.32	0.90	6.00
MA	MA	4	10.75	9.29	3.00	24.00
DIR	DIR	3	.	.	.	.
MM	MM	3	0.02	0.00	0.02	0.02
SE	SE	4	0.01	0.01	0.01	0.02
AB	AB	3	1062.00	694.06	700.00	2300.00
NA	NA	3	1800.00	0.00	1800.00	1800.00
TUS	TUS	2	1750.00	70.71	1700.00	1800.00
SULS	SULS	2	2800.00	141.42	2700.00	2900.00
SPL	SPL	2	1.82	0.18	1.60	2.00
SM	SM	3	21.20	34.01	5.00	82.00
SU4	SU4	3	13.00	7.07	8.00	18.00
TEMP	TEMP	2	0.06	0.04	0.02	0.10
ZN	ZN	3	27.00	26.51	4.00	56.00
TUC	TUC	3	0.02	0.03	0.00	0.07
PHEN	PHEN	3
CYAN	CYAN	3	1.74	0.42	1.20	2.20
NH3	NH3	3

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=4419

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIU2	SIU2	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
Im	Im	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SH	SH	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
HB	HB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
A	A	0	.	.	.	.
CU	CU	2	0.02	0.00	0.02	0.02
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UM	UM	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
1A	1A	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
ISSF	ISSF	0	.	.	.	.
RZ2B	RZ2B	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=WA20

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	4	1692.50	293.64	1500.00	2120.00
AL	AL	4	0.17	0.15	0.10	0.40
ARS	ARS	4	0.06	0.09	0.02	0.20
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	4	2.00	0.42	1.00	3.00
RCUJ	RCUJ	4	1567.50	348.86	1400.00	2110.00
CUU	CUU	4	9.13	1.03	8.00	10.00
B	B	4	1.97	1.37	1.00	4.00
BR	BR	3	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	.	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	4	7.62	1.26	6.20	9.00
CUJ	CUJ	4	121.25	43.66	15.00	230.00
CL	CL	4	16.00	2.16	14.00	19.00
CH	CH	4	0.04	0.04	0.02	0.10
CUU	CUU	4	6.55	2.95	4.00	10.00
CU	CU	4	0.06	0.09	0.02	0.20
UU	UU	2	1.40	0.85	0.80	2.00
UUC	UUC	3	0.40	0.52	0.10	1.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	4	22.75	0.76	22.00	24.00
FE	FE	4	53.00	15.36	40.00	70.00
KJW	KJW	4	1.41	2.40	0.06	5.00
PJ	PJ	3	1.54	0.99	0.93	2.68
LI	LI	4	0.05	0.03	0.02	0.10
YG	YG	4	0.08	0.02	0.05	0.10
YN	YN	4	3.05	0.82	2.00	4.00
AG	AG	4	0.06	0.09	0.02	0.20
MULY	MULY	3	0.01	0.01	0.00	0.02
NI	NI	4	0.07	0.09	0.02	0.20
NOJ	NOJ	4	0.04	0.04	0.02	0.10
ULSM	ULSM	4	4.12	3.55	0.10	8.00
SCUJ	SCUJ	4	11.00	6.98	3.00	20.00
PH	PH	2	4.00	11.31	1.00	17.00
K	K	2	0.77	0.51	0.10	1.30
NA	NA	3	2.40	0.44	2.10	2.90
BFK	BFK	2	7.00	0.00	7.00	7.00
RR	RR	0	.	.	.	.
DE	DE	2	0.02	0.00	0.02	0.02
AG	AG	4	0.03	0.03	0.01	0.08
NA	NA	4	1070.00	622.79	700.00	2000.00
TUS	TUS	1	1800.00	.	1800.00	1800.00
SULS	SULS	4	1717.50	184.10	1470.00	1900.00
SPC	SPC	2	2200.00	565.69	1800.00	2600.00
SR	SR	4	2.10	0.62	1.00	3.00
SU*	SU*	4	12.75	13.57	5.00	33.00
FCMP	FCMP	2	16.00	2.83	14.00	18.00
ZA	ZA	4	0.04	0.04	0.02	0.10
TUC	TUC	3	41.33	36.77	1.00	73.00
PHEN	PHEN	3	0.00	0.00	0.00	0.01
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	3	1.53	0.33	1.30	1.90

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 166

LUC=#X20

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
IN	IN	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
KB	KB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
IURB	IURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSF	TSF	U	.	.	.	.
M220	M220	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 63

LOC=0020

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	1600.00	.	1600.00	1600.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	1	.	.	.	.
SA	SA	1	0.50	.	0.50	0.50
MCUJ	MCUJ	1	1200.00	.	1200.00	1200.00
TUU	TUU	1	150.00	.	150.00	150.00
Y	Y	1	1.00	.	1.00	1.00
TK	TK	1	0.10	.	0.10	0.10
ICULIF	ICULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	5.20	.	5.20	5.20
CUJ	CUJ	1	410.00	.	410.00	410.00
CL	CL	1	110.00	.	110.00	110.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	141.00	.	141.00	141.00
CU	CU	1	0.03	.	0.03	0.03
UU	UU	1	1.77	.	1.77	1.77
UUC	UUC	1	7.00	.	7.00	7.00
LAS	LAS	0	.	.	.	.
F	F	1	25.00	.	25.00	25.00
MARKJ	MARKJ	1	25.00	.	25.00	25.00
FE	FE	1	0.06	.	0.06	0.06
ANJN	ANJN	1	3.00	.	3.00	3.00
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.20	.	0.20	0.20
TS	TS	1	3.70	.	3.70	3.70
AN	AN	1	0.03	.	0.03	0.03
MS	MS	1	0.00	.	0.00	0.00
MULY	MULY	1	0.02	.	0.02	0.02
LI	LI	1	0.04	.	0.04	0.04
MSJ	MSJ	1	0.50	.	0.50	0.50
ULOR	ULOR	1	22.00	.	22.00	22.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	14.00	.	14.00	14.00
MA	MA	0	.	.	.	.
STH	STH	0	.	.	.	.
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AB	AB	1	0.01	.	0.01	0.01
YA	YA	1	0.00	.	0.00	0.00
LOS	LOS	1	1600.00	.	1600.00	1600.00
SULS	SULS	0	.	.	.	.
SCU	SCU	1	2430.00	.	2430.00	2430.00
SK	SK	1	0.00	.	0.00	0.00
SDA	SDA	1	10.00	.	10.00	10.00
ICMP	ICMP	1	23.00	.	23.00	23.00
ZH	ZH	1	0.02	.	0.02	0.02
IUC	IUC	0	.	.	.	.
PRRTH	PRRTH	1	0.00	.	0.00	0.00
CTA4	CTA4	0	.	.	.	.
THS	THS	1	1.50	.	1.50	1.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 64

LUL=WE20

VARIABLE	LABEL	Y	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	10.00	.	10.00	.
SLUZ	SLUZ	1	10.00	.	10.00	10.00
J	J	0	.	.	.	.
WSS	WSS	0	.	.	.	.
TH	TH	0	.	.	.	.
US	US	0	.	.	.	.
I	I	0	.	.	.	.
SD	SD	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MS	MS	0	.	.	.	.
SE	SE	0	.	.	.	.
SA	SA	0	.	.	.	.
FI	FI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
TE	TE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TUM	TUM	0	.	.	.	.
RF	RF	0	.	.	.	.
ISSP	ISSP	0	.	.	.	.
MC2B	MC2B	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WD20

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	410.00	.	410.00	410.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HC03	HC03	1	240.00	.	240.00	240.00
B00	B00	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
BM	BM	1	0.40	.	0.40	0.40
TCOLIF	TCOLIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	7.50	.	7.50	7.50
C03	C03	1	170.00	.	170.00	170.00
CL	CL	1	47.00	.	47.00	47.00
CK	CK	1	0.02	.	0.02	0.02
C00	C00	1	147.00	.	147.00	147.00
CU	CU	1	0.02	.	0.02	0.02
U0	U0	1	2.63	.	2.63	2.63
D0C	D0C	1	32.00	.	32.00	32.00
LAS	LAS	0	.	.	.	.
F	F	1	2.20	.	2.20	2.20
HARD	HARD	1	210.00	.	210.00	210.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	0.70	.	0.70	0.70
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.20	.	0.20	0.20
MG	MG	1	46.00	.	46.00	46.00
MN	MN	1	0.04	.	0.04	0.04
HG	HG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.07	.	0.07	0.07
NI	NI	1	0.03	.	0.03	0.03
N03	N03	1	0.50	.	0.50	0.50
ULGM	ULGM	1	20.00	.	20.00	20.00
S203	S203	0	.	.	.	.
PH	PH	1	4.50	.	4.50	4.50
K	K	1	.	.	.	.
HA	HA	0	.	.	.	.
HTH	HTH	0	.	.	.	.
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	250.00	.	250.00	250.00
T05	T05	1	840.00	.	840.00	840.00
S0LS	S0LS	0	.	.	.	.
SPC	SPC	1	1390.00	.	1390.00	1390.00
SH	SH	1	0.60	.	0.60	0.60
S04	S04	1	260.00	.	260.00	260.00
TEMP	TEMP	1	22.00	.	22.00	22.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.04	.	0.04	0.04
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.60	.	0.60	0.60

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=4D20

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	1.00	.	1.00	.
SIO2	SIO2	0	1.00	.	1.00	1.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
KB	KB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
K228	K228	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 1:10 THURSDAY, JANUARY 13, 1983 167

LUC=MAX21

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	4	415.00	17.32	390.00	430.00
AL	AL	4	0.12	0.05	0.10	0.20
AHS	AHS	4	0.02	0.00	0.02	0.02
FCULIF	FCULIF	2	21.50	28.99	1.00	42.00
BA	BA	4	0.50	0.00	0.50	0.50
HCUS	HCUS	4	342.50	23.63	310.00	360.00
HUD	HUD	4	4.15	3.91	2.00	10.00
G	G	4	0.20	0.00	0.20	0.20
BR	BR	4	0.17	0.15	0.10	0.40
ICULIF	ICULIF	1	1.00	.	1.00	1.00
CO	CO	2	0.02	0.00	0.02	0.02
CA	CA	4	21.00	4.24	16.00	25.00
CUJ	CUJ	4	72.50	9.57	60.00	80.00
CL	CL	4	11.57	13.76	2.80	32.00
CR	CR	4	0.04	0.04	0.02	0.10
CUD	CUD	4	12.75	11.53	2.00	28.00
CU	CU	4	0.06	0.09	0.02	0.20
DU	DU	2	4.80	3.25	2.50	7.10
UUC	UUC	2	2.50	2.12	1.00	4.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	4	8.42	0.91	7.20	9.40
HARD	HARD	4	162.50	9.57	150.00	170.00
FE	FE	4	1.38	2.42	0.02	5.00
KUN	KUN	4	0.80	0.77	0.10	1.80
PB	PB	4	0.05	0.04	0.02	0.10
LI	LI	4	0.04	0.01	0.02	0.05
MG	MG	4	22.50	5.74	15.00	27.00
MN	MN	4	0.07	0.04	0.02	0.20
MS	MS	3	0.01	0.01	0.00	0.02
MULY	MULY	4	0.04	0.04	0.01	0.10
NI	NI	4	0.04	0.04	0.02	0.10
NOJ	NOJ	4	22.15	41.27	0.10	84.00
ULOR	ULOR	4	7.50	8.50	1.00	20.00
SZUS	SZUS	1	4.00	.	4.00	4.00
PH	PH	2	0.40	0.08	0.10	0.80
K	K	4	0.60	.	0.30	0.50
KA	KA	1	6.00	.	6.00	6.00
BTM	BTM	1	.	.	.	.
RR	RR	4	0.01	0.01	0.01	0.02
SE	SE	2	0.03	0.04	0.01	0.10
AG	AG	4	625.00	916.68	160.00	2000.00
NA	NA	2	675.00	7.07	670.00	680.00
TUS	TUS	1	630.00	.	630.00	630.00
SOLS	SOLS	2	1072.50	350.02	825.00	1320.00
SPC	SPC	4	8.97	2.97	4.50	11.00
SK	SK	4	99.50	51.26	28.00	150.00
SU4	SU4	2	16.00	2.83	14.00	18.00
TEMP	TEMP	4	0.04	0.04	0.01	0.10
ZN	ZN	2	17.00	22.63	1.00	33.00
TUC	TUC	4	0.04	0.07	0.00	0.14
PHEN	PHEN	4	0.26	0.19	0.04	0.50
CYAN	CYAN	4	.	.	.	.
NHJ	NHJ	4	0.26	0.19	0.04	0.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=K21

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
In	In	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
A	A	U	.	.	.	.
CU	CU	2	0.02	0.00	0.02	0.02
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
K224	K224	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 10:10 THURSDAY, JANUARY 13, 1983 63

LUC=4E21

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	1000.00	.	1000.00	1000.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.04	.	0.04	0.04
FCULIF	FCULIF	0	.	.	.	.
SA	SA	1	0.50	.	0.50	0.50
TCUS	TCUS	1	540.00	.	540.00	540.00
SUU	SUU	1	150.00	.	150.00	150.00
Y	Y	1	0.50	.	0.50	0.50
BR	BR	1	0.10	.	0.10	0.10
ICULIF	ICULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	540.00	.	540.00	540.00
CUJ	CUJ	1	500.00	.	500.00	500.00
CL	CL	1	50.00	.	50.00	50.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	4.02	.	4.02	4.02
UUC	UUC	1	45.00	.	45.00	45.00
LAS	LAS	0	.	.	.	.
F	F	0	17.00	.	17.00	17.00
TA41	TA41	1	32.00	.	32.00	32.00
FE	FE	1	0.10	.	0.10	0.10
KUN	KUN	1	1.40	.	1.40	1.40
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
AG	AG	1	3.00	.	3.00	3.00
AN	AN	1	0.02	.	0.02	0.02
NG	NG	1	0.00	.	0.00	0.00
MULT	MULT	1	0.10	.	0.10	0.10
VI	VI	1	0.02	.	0.02	0.02
UJ3	UJ3	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SEU3	SEU3	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	11.00	.	11.00	11.00
KA	KA	1	2.00	.	2.00	2.00
AFM	AFM	1	0.00	.	0.00	0.00
AM	AM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
BA	BA	1	510.00	.	510.00	510.00
TU2	TU2	1	1200.00	.	1200.00	1200.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	1030.00	.	1030.00	1030.00
SA	SA	1	1.20	.	1.20	1.20
SU4	SU4	1	20.00	.	20.00	20.00
TEMP	TEMP	1	23.00	.	23.00	23.00
Z4	Z4	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.01	.	0.01	0.01
CFAL	CFAL	0	.	.	.	.
INJ	INJ	1	1.40	.	1.40	1.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	U
SIUC	SIUC	I	10.00	.	10.00	10.00
J	J	U	.	.	.	.
SIUCS	SIUCS	U	.	.	.	.
IN	IN	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SN	SN	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
TH	TH	J	.	.	.	.
DE	DE	J	.	.	.	.
BA	BA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
FE	FE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	J	.	.	.	.
AA	AA	J	.	.	.	.
SCY	SCY	I	0.10	.	0.10	0.10
TURN	TURN	U	.	.	.	.
FF	FF	U	.	.	.	.
ISDF	ISDF	U	.	.	.	.
NECB	NECB	U

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=0021

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	400.00	.	400.00	400.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HC03	HC03	1	310.00	.	310.00	310.00
B00	B00	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
BK	BK	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	19.00	.	19.00	19.00
CU3	CU3	1	94.00	.	94.00	94.00
CL	CL	1	4.60	.	4.60	4.60
CK	CK	1	0.02	.	0.02	0.02
C00	C00	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	4.65	.	4.65	4.65
DUC	DUC	1	12.00	.	12.00	12.00
LAS	LAS	0	.	.	.	.
F	F	1	8.70	.	8.70	8.70
HA00	HA00	1	130.00	.	130.00	130.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	0.50	.	0.50	0.50
PB	PB	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	20.00	.	20.00	20.00
MN	MN	1	0.07	.	0.07	0.07
HG	HG	1	0.00	.	0.00	0.00
M0LY	M0LY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
OLGH	OLGH	1	10.00	.	10.00	10.00
S203	S203	0	.	.	.	.
PH	PH	1	8.27	.	8.27	8.27
K	K	1	3.20	.	3.20	3.20
HA	HA	1	5.00	.	5.00	5.00
BTH	BTH	1	2.00	.	2.00	2.00
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	180.00	.	180.00	180.00
TUS	TUS	1	530.00	.	530.00	530.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	830.00	.	830.00	830.00
SK	SK	1	4.00	.	4.00	4.00
S04	S04	1	91.00	.	91.00	91.00
TEMP	TEMP	1	18.00	.	18.00	18.00
ZN	ZN	1	0.04	.	0.04	0.04
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.50	.	0.50	0.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=WD21

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	1	11.00	.	11.00	11.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
NB	NB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
H228	H228	0

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 169
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LUC=MAX2

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	1200.00	.	1200.00	1200.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	1.00	.	1.00	1.00
MCU3	MCU3	1	1100.00	.	1100.00	1100.00
MOU	MOU	1	57.00	.	57.00	57.00
B	B	1	0.10	.	0.10	0.10
BR	BR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	1	1.00	.	1.00	1.00
CU	CU	0	.	.	.	.
CA	CA	1	5.70	.	5.70	5.70
CU3	CU3	1	100.00	.	100.00	100.00
CL	CL	1	26.00	.	26.00	26.00
CH	CH	1	0.01	.	0.01	0.01
CUU	CUU	0	.	.	.	.
CU	CU	1	0.01	.	0.01	0.01
UU	UU	0	.	.	.	.
DUC	DUC	1	5.00	.	5.00	5.00
LAS	LAS	0	.	.	.	.
F	F	1	21.00	.	21.00	21.00
HAHD	HAHD	1	37.00	.	37.00	37.00
FE	FE	1	0.02	.	0.02	0.02
KJ4	KJ4	1	0.10	.	0.10	0.10
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	5.60	.	5.60	5.60
MN	MN	1	0.02	.	0.02	0.02
MG	MG	0	.	.	.	.
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.04	.	0.04	0.04
NU3	NU3	1	0.10	.	0.10	0.10
ULGM	ULGM	1	2.00	.	2.00	2.00
SZU3	SZU3	0	.	.	.	.
PH	PH	0	.	.	.	.
K	K	1	3.80	.	3.80	3.80
KA	KA	0	.	.	.	.
RIH	RIH	0	.	.	.	.
MR	MR	0	.	.	.	.
DE	DE	0	.	.	.	.
AB	AB	1	0.01	.	0.01	0.01
NA	NA	1	540.00	.	540.00	540.00
TUS	TUS	1	1400.00	.	1400.00	1400.00
SUL3	SUL3	0	.	.	.	.
JPC	JPC	0	.	.	.	.
SH	SH	1	2.80	.	2.80	2.80
SU4	SU4	1	5.00	.	5.00	5.00
TEMP	TEMP	0	.	.	.	.
ZN	ZN	1	0.01	.	0.01	0.01
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
GTAN	GTAN	0	.	.	.	.
NHJ	NHJ	1	1.50	.	1.50	1.50

5 YEAR STATISTICS FOR WATCH PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=MAX2

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	U	.	.	.	.
SIUC	SIUC	U	.	.	.	.
U	U	U	.	.	.	.
SIUCS	SIUCS	U	.	.	.	.
IM	IM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
KB	KB	U	.	.	.	.
DE	DE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
■	■	U	.	.	.	.
CU	CU	U	0.02	0.02	0.02	0.02
V	V	U	.	.	.	.
DE	DE	U
UH	UH	U
CH	CH	U
PA	PA	U
MA	MA	U
SLN	SLN	U
TUMH	TUMH	U
FF	FF	U
ISSF	ISSF	U
RECB	RECB	U

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3 YEAR STATISTICS FOR WATCH PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=MAJ3

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	1100.00	.	1100.00	1100.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.20	.	0.20	0.20
FCULIF	FCULIF	1	.	.	.	.
BA	BA	1	0.80	.	0.80	0.80
MCU3	MCU3	1	1000.00	.	1000.00	1000.00
ROU	ROU	1	39.00	.	39.00	39.00
B	B	1	0.20	.	0.20	0.20
HM	HM	1	0.10	.	0.10	0.10
FCULIF	FCULIF	1	1.00	.	1.00	1.00
CU	CU	1	.	.	.	.
CA	CA	1	5.90	.	5.90	5.90
CU3	CU3	1	100.00	.	100.00	100.00
CL	CL	1	20.00	.	20.00	20.00
CH	CH	1	0.01	.	0.01	0.01
CUU	CUU	1	3.00	.	3.00	3.00
CU	CU	1	0.01	.	0.01	0.01
DU	DU	1	.	.	.	.
UUC	UUC	1	7.00	.	7.00	7.00
LAS	LAS	1	.	.	.	.
F	F	1	18.00	.	18.00	18.00
MAKU	MAKU	1	41.00	.	41.00	41.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	0.60	.	0.60	0.60
PB	PB	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
AG	AG	1	6.40	.	6.40	6.40
MN	MN	1	0.02	.	0.02	0.02
MG	MG	1	.	.	.	.
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.04	.	0.04	0.04
NO3	NO3	1	0.10	.	0.10	0.10
ULGR	ULGR	1	2.00	.	2.00	2.00
S203	S203	1	.	.	.	.
PH	PH	1	3.20	.	3.20	3.20
K	K	1	.	.	.	.
MA	MA	1	3.20	.	3.20	3.20
d14	d14	1	.	.	.	.
MM	MM	1	.	.	.	.
SE	SE	1	.	.	.	.
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	400.00	.	400.00	400.00
TUS	TUS	1	1300.00	.	1300.00	1300.00
SULS	SULS	1	.	.	.	.
SPC	SPC	1	.	.	.	.
SM	SM	1	2.90	.	2.90	2.90
SU4	SU4	1	11.00	.	11.00	11.00
TEMP	TEMP	1	.	.	.	.
ZN	ZN	1	0.20	.	0.20	0.20
TUC	TUC	1	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	1	.	.	.	.
NH3	NH3	1	1.30	.	1.30	1.30

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 172
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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U
SIUC	SIUC	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
IM	IM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZR	ZR	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
■	■	U	.	.	.	.
CU	CU	U	0.02	0.02	0.02	0.02
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
UM	UM	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
FURB	FURB	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
RECB	RECB	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 173

LUC=KX3B

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	790.00	.	790.00	790.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.60	.	0.60	0.60
MCU3	MCU3	1	1.00	.	1.00	1.00
HOU	HOU	1	150.00	.	150.00	150.00
d	d	1	0.10	.	0.10	0.10
dk	dk	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	240.00	.	240.00	240.00
CU3	CU3	1	790.00	.	790.00	790.00
CL	CL	1	61.00	.	61.00	61.00
CK	CK	1	0.02	.	0.02	0.02
CUO	CUO	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	5.18	.	5.18	5.18
UUC	UUC	1	10.00	.	10.00	10.00
LAS	LAS	0	.	.	.	.
F	F	1	1.00	.	1.00	1.00
MAKU	MAKU	1	700.00	.	700.00	700.00
FE	FE	1	0.05	.	0.05	0.05
KJR	KJR	1	3.60	.	3.60	3.60
PD	PD	1	0.02	.	0.02	0.02
LI	LI	1	0.08	.	0.08	0.08
MG	MG	1	0.20	.	0.20	0.20
MN	MN	1	0.02	.	0.02	0.02
HG	HG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.04	.	0.04	0.04
NI	NI	1	0.03	.	0.03	0.03
NU3	NU3	1	0.50	.	0.50	0.50
ULGM	ULGM	1	15.00	.	15.00	15.00
SZU3	SZU3	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	42.00	.	42.00	42.00
KA	KA	1	1.00	.	1.00	1.00
dih	dih	1	30.00	.	30.00	30.00
KA	KA	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	200.00	.	200.00	200.00
TUS	TUS	1	1200.00	.	1200.00	1200.00
SULS	SULS	0	.	.	.	.
SFC	SFC	1	3710.00	.	3710.00	3710.00
SK	SK	1	4.80	.	4.80	4.80
SU4	SU4	1	500.00	.	500.00	500.00
TEMP	TEMP	1	20.00	.	20.00	20.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.08	.	0.08	0.08
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	2.30	.	2.30	2.30

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 174
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LUC=WKJD

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	3.30	.	3.30	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSP	ISSP	U	.	.	.	.
R22B	R22B	U

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WD41

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	410.00	.	410.00	410.00
AL	AL	1	0.10	.	0.10	0.10
ANS	ANS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HC03	HC03	1	410.00	.	410.00	410.00
BD	BD	1	150.00	.	150.00	150.00
B	B	1	0.10	.	0.10	0.10
BR	BR	1	0.20	.	0.20	0.20
ICOLIF	ICOLIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	110.00	.	110.00	110.00
CO3	CO3	1	1.00	.	1.00	1.00
CL	CL	1	12.00	.	12.00	12.00
CR	CR	1	0.02	.	0.02	0.02
CUD	CUD	1	110.00	.	110.00	110.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	1.65	.	1.65	1.65
DUC	DUC	1	26.00	.	26.00	26.00
LAS	LAS	1	.	.	.	.
F	F	0	0.10	.	0.10	0.10
HARD	HARD	1	620.00	.	620.00	620.00
FE	FE	1	0.07	.	0.07	0.07
KUN	KUN	1	0.60	.	0.60	0.60
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	85.00	.	85.00	85.00
MN	MN	1	0.30	.	0.30	0.30
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.02	.	0.02	0.02
NI	NI	1	0.03	.	0.03	0.03
NO3	NO3	1	0.50	.	0.50	0.50
OLGM	OLGM	1	10.00	.	10.00	10.00
S203	S203	0	.	.	.	.
PH	PH	1	5.00	.	5.00	5.00
K	K	1	.	.	.	.
RA	RA	0	.	.	.	.
BTR	BTR	0	.	.	.	.
KK	KK	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	190.00	.	190.00	190.00
TDS	TDS	1	1300.00	.	1300.00	1300.00
SUL3	SUL3	0	.	.	.	.
SPC	SPC	1	1530.00	.	1530.00	1530.00
SH	SH	1	23.00	.	23.00	23.00
S04	S04	1	720.00	.	720.00	720.00
TEMP	TEMP	1	23.50	.	23.50	23.50
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.03	.	0.03	0.03
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.30	.	0.30	0.30

LUC=0*1

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	22.00	.	22.00	.
STU2	STU2	1	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZR	ZR	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
WA	WA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
A	A	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U
PA	PA	U
MA	MA	U
SCN	SCN	1	0.10	0.10	0.10	0.10
TURB	TURB	U
FF	FF	U
TSF	TSF	U
MZB	MZB	U

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=****

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	0	498.33	104.26	390.00	670.00
AL	AL	0	0.20	0.24	0.10	0.70
AMS	AMS	0	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
HA	HA	0	0.65	0.37	0.50	1.40
MCUJ	MCUJ	0	446.67	113.43	350.00	650.00
BUD	BUD	+	45.75	69.51	10.00	150.00
B	B	0	0.30	0.13	0.09	0.40
SK	SK	0	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	.	1.00	1.00
CD	CD	2	0.02	0.00	0.02	0.02
CA	CA	0	38.50	17.64	11.00	57.00
CUJ	CUJ	0	48.50	48.99	3.00	120.00
CL	CL	0	14.40	4.20	4.60	31.00
CK	CK	0	0.02	0.00	0.02	0.02
CUD	CUD	0	62.17	60.25	6.00	160.00
CU	CU	0	0.02	0.00	0.02	0.02
UU	UU	2	2.60	1.41	1.60	3.60
DUC	DUC	0	4.26	6.19	0.00	15.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	0	7.23	3.82	3.20	14.00
HARD	HARD	0	272.00	133.78	72.00	420.00
FE	FE	0	0.15	0.19	0.02	0.50
KJN	KJN	+	0.79	0.18	0.55	1.00
PH	PH	0	0.06	0.07	0.02	0.20
LI	LI	0	0.05	0.01	0.04	0.07
MG	MG	0	30.65	15.81	10.92	50.00
MN	MN	0	0.09	0.06	0.06	0.20
MG	MG	0	0.01	0.01	0.00	0.02
MULY	MULY	0	0.03	0.04	0.01	0.10
NI	NI	0	0.04	0.04	0.02	0.10
NUJ	NUJ	0	29.92	42.99	0.50	100.00
ULGR	ULGR	0	13.33	8.07	4.00	26.00
SCUJ	SCUJ	1	5.00	.	5.00	5.00
PH	PH	+	3.52	3.08	1.80	8.30
K	K	0	3.85	5.46	1.00	8.40
HA	HA	+	19.00	26.05	0.60	12.00
dlH	dlH	+	0.30	.	0.30	0.30
HH	HH	1	0.02	0.01	0.01	0.04
SE	SE	0	0.01	0.01	0.01	0.02
AG	AG	+	236.67	49.26	200.00	320.00
NA	NA	0	862.50	71.36	780.00	940.00
TDS	TDS	+	750.00	.	750.00	750.00
SULS	SULS	1	1257.50	116.15	1120.00	1400.00
SFC	SFC	+	5.88	4.23	0.50	9.40
SH	SH	0	214.67	133.70	8.00	400.00
SU4	SU4	0	18.40	5.92	12.20	24.00
TEMP	TEMP	3	0.20	0.39	0.02	1.00
LN	LN	0	36.50	4.95	33.00	40.00
FUC	FUC	2	0.01	0.02	0.00	0.04
PHEN	PHEN	0
CYAN	CYAN	0	0.72	0.36	0.20	1.20
NHJ	NHJ	0

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOG=***

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	1	0.08	2.52	0.08	0.08
SI02	SI02	3	16.67	2.52	14.00	19.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MD	MD	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	1	0.02	.	0.02	0.02
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
ISSF	ISSF	0	.	.	.	.
M22B	M22B	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=4A55

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	0	581.67	121.89	470.00	800.00
AL	AL	0	0.19	0.16	0.02	0.50
ARS	ARS	0	0.02	0.01	0.00	0.04
FCULIF	FCULIF	1	1.00	0.00	1.00	1.00
BA	BA	0	1.00	0.00	0.50	6.00
HCUS	HCUS	0	520.00	130.69	420.00	760.00
HOD	HOD	0	8.28	6.21	2.00	20.00
B	B	0	0.52	0.17	0.20	0.65
BR	BR	0	0.10	0.00	0.10	0.10
ICULIF	ICULIF	1	1.00	0.00	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	0	18.23	15.17	0.10	43.00
CUS	CUS	0	00.33	41.62	20.00	130.00
CL	CL	0	12.90	9.45	7.00	32.00
CR	CR	0	0.02	0.00	0.02	0.02
CUD	CUD	0	34.37	44.43	4.00	110.00
CU	CU	0	0.05	0.07	0.02	0.20
DU	DU	4	3.22	0.59	2.50	3.80
DUC	DUC	0	18.14	21.28	0.10	52.00
LAS	LAS	1	0.05	0.00	0.05	0.05
F	F	0	12.47	8.57	1.20	18.00
HAMU	HAMU	0	145.06	203.09	36.00	350.00
FE	FE	0	1.00	1.44	0.03	5.00
KJN	KJN	0	0.95	0.37	0.30	1.20
PH	PH	0	0.07	0.07	0.02	0.20
LI	LI	0	0.05	0.02	0.03	0.08
MG	MG	0	34.80	45.56	4.80	96.00
AN	AN	0	0.04	0.03	0.02	0.08
HG	HG	0	0.01	0.01	0.00	0.02
MULY	MULY	0	0.03	0.04	0.02	0.10
NI	NI	0	0.03	0.03	0.02	0.10
NOJ	NOJ	0	47.68	113.83	0.10	280.00
ULGM	ULGM	0	11.50	9.20	1.00	26.00
SZUJ	SZUJ	2	4.00	1.41	3.00	5.00
PH	PH	4	2.88	0.90	7.70	8.60
K	K	0	2.56	2.12	1.80	4.00
MA	MA	0	7.00	6.56	0.50	6.00
BFH	BFH	0	0.02	0.01	0.00	14.00
MR	MR	0	0.01	0.01	0.01	0.02
SE	SE	4	0.01	0.01	0.01	0.02
AG	AG	0	273.33	69.19	190.00	370.00
NA	NA	0	920.00	395.98	640.00	1200.00
LOS	LOS	2	746.61	70.95	670.00	810.00
SOLS	SOLS	3	1417.50	582.89	1100.00	2290.00
SPL	SPL	4	3.50	0.80	3.00	5.10
SU4	SU4	0	100.53	232.09	4.00	400.00
EMIP	EMIP	4	14.88	7.73	5.50	23.00
ZN	ZN	0	0.18	0.40	0.02	1.00
TUC	TUC	3	34.33	22.37	10.00	54.00
PHEN	PHEN	0	0.00	0.00	0.00	0.01
CYAN	CYAN	0	0.00	0.00	0.00	0.01
NHJ	NHJ	0	0.93	0.51	0.20	1.60

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 178

LOC=WX55

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
IM	IM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZM	ZM	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	2	0.02	0.00	0.02	0.02
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
RZ2B	RZ2B	U

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=052

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	530.00	.	530.00	530.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCU3	MCU3	1	530.00	.	530.00	530.00
DDU	DDU	1	150.00	.	150.00	150.00
D	D	1	0.10	.	0.10	0.10
BA	BA	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	120.00	.	120.00	120.00
CU3	CU3	1	1.00	.	1.00	1.00
CL	CL	1	10.00	.	10.00	10.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	1.36	.	1.36	1.36
DUU	DUU	1	16.00	.	16.00	16.00
LAS	LAS	0	.	.	.	.
F	F	1	0.10	.	0.10	0.10
MAND	MAND	1	790.00	.	790.00	790.00
FE	FE	1	0.80	.	0.80	0.80
KJN	KJN	1	0.60	.	0.60	0.60
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	120.00	.	120.00	120.00
AN	AN	1	0.20	.	0.20	0.20
MG	MG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
ULGH	ULGH	1	10.00	.	10.00	10.00
SZU3	SZU3	0	.	.	.	.
PH	PH	1	7.38	.	7.38	7.38
K	K	1	3.60	.	3.60	3.60
RA	RA	1	4.00	.	4.00	4.00
HTR	HTR	1	3.00	.	3.00	3.00
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	180.00	.	180.00	180.00
TUS	TUS	1	1400.00	.	1400.00	1400.00
SOLS	SOLS	0	.	.	.	.
SFC	SFC	1	1600.00	.	1600.00	1600.00
SM	SM	1	18.00	.	18.00	18.00
SU4	SU4	1	720.00	.	720.00	720.00
TEMP	TEMP	1	21.00	.	21.00	21.00
ZN	ZN	1	0.02	.	0.02	0.02
FUC	FUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	1	0.30	.	0.30	0.30

3 YEAR STATISTICS FOR WATCH PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 50

LUC=HUSC

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	1	22.00	.	22.00	22.00
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
Th	Th	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
M	M	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TUR3	TUR3	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
RZ2B	RZ2B	U	.	.	.	.

LOCATED

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	510.00	.	510.00	510.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
ACU3	ACU3	1	540.00	.	540.00	540.00
SOU	SOU	1	150.00	.	150.00	150.00
B	B	1	0.00	.	0.00	0.00
IR	IR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CU	CU	1	.	.	.	.
CA	CA	1	540	.	540	540
CU3	CU3	1	50.00	.	50.00	50.00
CL	CL	1	4.50	.	4.50	4.50
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	2.34	.	2.34	2.34
UUC	UUC	1	3.00	.	3.00	3.00
LAS	LAS	0	.	.	.	.
F	F	1	20.00	.	20.00	20.00
RAMU	RAMU	1	32.00	.	32.00	32.00
FE	FE	1	0.03	.	0.03	0.03
KJ4	KJ4	1	1.40	.	1.40	1.40
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
AS	AS	1	4.10	.	4.10	4.10
AN	AN	1	0.02	.	0.02	0.02
AS	AS	1	0.00	.	0.00	0.00
MULT	MULT	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
U3	U3	1	0.50	.	0.50	0.50
ULSM	ULSM	1	10.00	.	10.00	10.00
SCU3	SCU3	0	.	.	.	.
PH	PH	1	4.00	.	4.00	4.00
KA	KA	1	1.00	.	1.00	1.00
ALR	ALR	1	7.00	.	7.00	7.00
AR	AR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AS	AS	1	0.01	.	0.01	0.01
AA	AA	1	230.00	.	230.00	230.00
FUS	FUS	1	540.00	.	540.00	540.00
SUL3	SUL3	0	.	.	.	.
SPC	SPC	1	440.00	.	440.00	440.00
SM	SM	1	1.50	.	1.50	1.50
SU4	SU4	1	100.00	.	100.00	100.00
TEMP	TEMP	1	25.00	.	25.00	25.00
EN	EN	1	0.02	.	0.02	0.02
FUC	FUC	0
PHC1	PHC1	1	0.00	.	0.00	0.00
CFAN	CFAN	0
MS	MS	1	1.00	.	1.00	1.00

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STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=ME52

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
RSI	RSI	1	12.00	.	.	12.00
SIUC	SIUC	1	12.00	.	12.00	.
U	U	1	.	.	.	.
SIUCS	SIUCS	1	.	.	.	.
FM	FM	1	.	.	.	.
CS	CS	1	.	.	.	.
I	I	1	.	.	.	.
SI	SI	1	.	.	.	.
ZK	ZK	1	.	.	.	.
Y	Y	1	.	.	.	.
TH	TH	1	.	.	.	.
SE	SE	1	.	.	.	.
SA	SA	1	.	.	.	.
FI	FI	1	.	.	.	.
SC	SC	1	.	.	.	.
W	W	1	.	.	.	.
CU	CU	1	.	.	.	.
V	V	1	.	.	.	.
NE	NE	1	.	.	.	.
OH	OH	1	.	.	.	.
UH	UH	1
PA	PA	1
XA	XA	1
SCM	SCM	1	0.10	.	0.10	.
IURM	IURM	1
RF	RF	1
ISSF	ISSF	1
ACCB	ACCB	1

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=**63

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	632.00	63.01	500.00	720.00
AL	AL	3	0.16	0.13	0.02	0.30
ARS	ARS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	3	1.60	2.46	0.50	6.00
MCUJ	MCUJ	3	520.00	134.72	340.00	660.00
BUU	BUU	3	16.50	14.02	7.00	40.00
B	B	3	0.76	0.44	0.40	1.50
BR	BR	4	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	.	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	3	5.30	2.85	3.00	10.00
CUJ	CUJ	3	107.60	92.19	40.00	260.00
CL	CL	3	43.60	49.30	4.00	120.00
CK	CK	3	0.02	0.00	0.02	0.02
CUU	CUU	3	24.80	21.81	8.00	60.00
CU	CU	3	0.02	0.00	0.02	0.02
DU	DU	3	2.47	0.87	2.00	3.70
UUC	UUC	4	15.85	29.46	0.20	60.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	3	17.06	1.63	15.00	19.00
HAHU	HAHU	3	43.40	143.94	15.00	350.00
FE	FE	3	0.16	0.21	0.02	0.50
KJN	KJN	4	0.56	0.35	0.50	1.42
PR	PR	3	0.05	0.03	0.02	0.10
LI	LI	3	0.06	0.02	0.03	0.07
MG	MG	3	2.82	1.58	1.50	5.00
MN	MN	3	0.06	0.06	0.02	0.20
MG	MG	4	0.02	0.01	0.00	0.02
MULY	MULY	3	0.17	0.20	0.02	0.50
NI	NI	3	0.04	0.04	0.02	0.10
NOJ	NOJ	3	24.30	33.09	0.10	75.00
ULGR	ULGR	3	11.60	2.61	8.00	14.00
SCUJ	SCUJ	2	8.00	0.00	8.00	8.00
PH	PH	3	.	.	7.80	9.40
K	K	3	2.66	1.02	1.60	4.20
KA	KA	3	7.17	4.37	3.50	12.00
dfr	dfr	3	10.33	3.06	7.00	13.00
MR	MR	0	.	.	.	.
SE	SE	3	0.03	0.01	0.02	0.04
AG	AG	3	0.01	0.01	0.01	0.02
NA	NA	3	290.00	60.00	200.00	350.00
TUS	TUS	2	770.00	28.28	750.00	790.00
SULS	SULS	3	660.00	45.83	640.00	930.00
SFC	SFC	3	1250.00	50.00	1200.00	1300.00
SR	SR	3	1.36	1.12	0.30	3.00
SO+	SO+	3	63.00	91.79	5.00	220.00
TEMP	TEMP	3	14.17	2.25	12.00	16.50
ZN	ZN	3	0.22	0.44	0.02	1.00
TUC	TUC	3	56.33	25.70	29.00	80.00
PHEN	PHEN	4	0.01	0.01	0.00	0.02
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	4	0.59	0.30	0.47	1.10

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 180

LUC=KXG3

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
Th	Th	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	0.02	0.02	0.02	0.02
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
M22B	M22B	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 51

LOC=#061

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	430.00	.	430.00	430.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
DA	DA	1	0.50	.	0.50	0.50
HC03	HC03	1	430.00	.	430.00	430.00
B00	B00	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
DK	DK	1	0.10	.	0.10	0.10
ICOLIF	ICOLIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	92.00	.	92.00	92.00
C03	C03	1	1.00	.	1.00	1.00
CL	CL	1	16.00	.	16.00	16.00
CR	CR	1	0.02	.	0.02	0.02
C00	C00	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
U0	U0	1	3.16	.	3.16	3.16
D0C	D0C	1	10.00	.	10.00	10.00
LAS	LAS	1	.	.	.	.
F	F	1	0.10	.	0.10	0.10
MARD	MARD	1	630.00	.	630.00	630.00
FE	FE	1	0.30	.	0.30	0.30
KJN	KJN	1	0.50	.	0.50	0.50
PB	PB	1	0.02	.	0.02	0.02
LI	LI	1	0.06	.	0.06	0.06
M5	M5	1	97.00	.	97.00	97.00
MN	MN	1	0.40	.	0.40	0.40
H5	H5	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SZ03	SZ03	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	3.20	.	3.20	3.20
KA	KA	1	2.00	.	2.00	2.00
dTH	dTH	1	1.00	.	1.00	1.00
MK	MK	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	180.00	.	180.00	180.00
T05	T05	1	1200.00	.	1200.00	1200.00
S0LS	S0LS	0	.	.	.	.
SFC	SFC	1	1520.00	.	1520.00	1520.00
SH	SH	1	20.00	.	20.00	20.00
S04	S04	1	610.00	.	610.00	610.00
TEMP	TEMP	1	21.00	.	21.00	21.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0
NIJ	NIJ	1	0.40	.	0.40	0.40

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
LUC=WD61

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	21.00	.	21.00	.
SI02	SI02	1	21.00	.	21.00	21.00
U	U	0	.	.	.	.
DUSS	DUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
KB	KB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSF	TSF	0	.	.	.	.
M22B	M22B	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 10:10 THURSDAY, JANUARY 13, 1983 71

LOC=4001

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	410.00	.	410.00	410.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
FCUJ	FCUJ	1	410.00	.	410.00	410.00
SUD	SUD	1	150.00	.	150.00	150.00
S	S	1	0.20	.	0.20	0.20
SR	SR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	92.00	.	92.00	92.00
CUJ	CUJ	1	1.00	.	1.00	1.00
CL	CL	1	10.00	.	10.00	10.00
CR	CR	1	0.02	.	0.02	0.02
CUD	CUD	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	1.51	.	1.51	1.51
UUC	UUC	1	6.00	.	6.00	6.00
LAS	LAS	1	.	.	.	.
F	F	1	0.10	.	0.10	0.10
HARD	HARD	1	620.00	.	620.00	620.00
FE	FE	1	1.10	.	1.10	1.10
KUN	KUN	1	0.80	.	0.80	0.80
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.07	.	0.07	0.07
AG	AG	1	94.00	.	94.00	94.00
AN	AN	1	0.20	.	0.20	0.20
HG	HG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
VI	VI	1	0.02	.	0.02	0.02
NOJ	NOJ	1	0.50	.	0.50	0.50
ULSR	ULSR	1	10.00	.	10.00	10.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	3.50	.	3.50	3.50
KA	KA	1	2.00	.	2.00	2.00
BFM	BFM	1	3.00	.	3.00	3.00
MR	MR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	150.00	.	150.00	150.00
FUS	FUS	1	1200.00	.	1200.00	1200.00
SULS	SULS	0	.	.	.	.
SPL	SPL	1	1530.00	.	1530.00	1530.00
SR	SR	1	22.00	.	22.00	22.00
SU4	SU4	1	600.00	.	600.00	600.00
TEMP	TEMP	1	19.00	.	19.00	19.00
Z4	Z4	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.01	.	0.01	0.01
CTAN	CTAN	0	.	.	.	.
MSJ	MSJ	1	0.50	.	0.50	0.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=ME01

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
F	F	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
FI	FI	0	.	.	.	.
SC	SC	0	.	.	.	.
A	A	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURH	TURH	1	0.10	.	0.10	0.10
PF	PF	0	.	.	.	.
TSSP	TSSP	0	.	.	.	.
RZ20	RZ20	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 181
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LOC=KAY2

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	705.33	112.55	600.00	850.00
AL	AL	6	0.19	0.18	0.02	0.50
AMS	AMS	6	0.02	0.01	0.02	0.04
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	6	0.67	0.19	0.50	1.00
ACU3	ACU3	6	676.67	83.59	600.00	780.00
BUD	BUD	6	9.47	9.45	1.00	26.00
B	B	6	0.44	0.44	0.04	1.00
BR	BR	6	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	.	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	6	53.33	39.08	6.00	90.00
CO3	CO3	6	27.50	41.16	1.00	90.00
CL	CL	6	23.77	22.12	3.60	65.00
CR	CR	6	0.03	0.03	0.02	0.10
CUD	CUD	6	35.50	27.20	2.00	72.00
CU	CU	6	0.05	0.07	0.02	0.20
UU	UU	4	2.30	1.19	0.80	3.60
DUC	DUC	4	61.52	81.97	0.10	179.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	6	7.35	10.58	0.40	21.00
MANU	MANU	6	499.67	371.51	20.00	800.00
FE	FE	6	2.55	3.33	0.30	9.00
KJN	KJN	6	1.19	1.32	0.30	3.50
PD	PD	6	0.07	0.03	0.02	0.10
LI	LI	6	0.10	0.05	0.05	0.20
MG	MG	6	85.17	50.79	3.00	127.00
AN	AN	6	0.24	0.19	0.02	0.40
HG	HG	4	0.01	0.01	0.00	0.02
MULY	MULY	6	0.05	0.07	0.01	0.20
NI	NI	6	0.04	0.03	0.02	0.10
NO3	NO3	6	114.30	182.01	0.10	420.00
ULGR	ULGR	6	8.50	5.79	2.00	16.00
SZU3	SZU3	6	6.00	2.83	4.00	8.00
PH	PH	4	2.37	2.03	6.90	8.70
K	K	6	8.43	8.32	0.20	6.00
RA	RA	3	9.00	9.90	2.90	18.00
DFH	DFH	2	.	.	2.00	16.00
HM	HM	6	0.02	0.01	.	0.02
SE	SE	3	0.02	0.01	0.01	0.04
AG	AG	6	0.02	0.01	0.00	0.04
NA	NA	6	266.67	119.94	180.00	440.00
FUS	FUS	2	1400.00	0.00	1400.00	1400.00
SUL3	SUL3	3	1180.00	259.42	970.00	1470.00
SPLC	SPLC	4	1935.00	311.29	1500.00	2240.00
SK	SK	6	5.37	4.25	0.60	9.70
SU4	SU4	6	366.50	249.18	10.00	620.00
TEMP	TEMP	4	15.50	4.43	12.00	22.00
ZN	ZN	6	0.18	0.50	0.02	1.00
TUC	TUC	3	104.67	97.74	33.00	216.00
PHEN	PHEN	6	0.01	0.01	0.00	0.03
CYAN	CYAN	6	.	.	.	.
NH3	NH3	6	0.73	0.71	0.10	1.70

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 182

LUC=4492

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIU2	SIU2	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
MD	MD	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	0.02	0.00	0.02	0.02
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
M22B	M22B	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 55

LOC=0091

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	350.00	.	350.00	350.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCU3	MCU3	1	1.00	.	1.00	1.00
DUU	DUU	1	150.00	.	150.00	150.00
B	B	1	0.40	.	0.40	0.40
BR	BR	1	0.10	.	0.10	0.10
ICULIF	ICULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	5.00	.	5.00	5.00
CU3	CU3	1	290.00	.	290.00	290.00
CL	CL	1	55.00	.	55.00	55.00
CM	CM	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	5.09	.	5.09	5.09
DUC	DUC	1	14.00	.	14.00	14.00
LAS	LAS	0	.	.	.	.
F	F	1	0.90	.	0.90	0.90
HARD	HARD	1	100.00	.	100.00	100.00
FE	FE	1	0.09	.	0.09	0.09
KUN	KUN	1	1.70	.	1.70	1.70
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.30	.	0.30	0.30
MG	MG	1	21.00	.	21.00	21.00
MM	MM	1	0.02	.	0.02	0.02
MG	MG	1	0.00	.	0.00	0.00
NI	NI	1	0.04	.	0.04	0.04
NUJ	NUJ	1	1.10	.	1.10	1.10
ULUH	ULUH	1	10.00	.	10.00	10.00
SCU3	SCU3	0	.	.	.	.
PH	PH	1	54.00	.	54.00	54.00
K	K	1	51.00	.	51.00	51.00
HA	HA	0	.	.	.	.
DIR	DIR	1	0.01	.	0.01	0.01
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	250.00	.	250.00	250.00
FUS	FUS	1	810.00	.	810.00	810.00
SULS	SULS	0	.	.	.	.
SHC	SHC	1	1330.00	.	1330.00	1330.00
SM	SM	1	0.50	.	0.50	0.50
SU4	SU4	1	260.00	.	260.00	260.00
TEMP	TEMP	1	17.00	.	17.00	17.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHE/I	PHE/I	1	0.02	.	0.02	0.02
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	1	1.50	.	1.50	1.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
LUC=WD91

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	2.00	.	2.00	.
SI02	SI02	1	2.00	.	2.00	2.00
U	U	0	.	.	.	.
DUSS	DUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CO	CO	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSP	TSSP	0	.	.	.	.
MZB	MZB	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 53

LOC=WD90

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	710.00	.	710.00	710.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCU3	MCU3	1	710.00	.	710.00	710.00
BUD	BUD	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
SK	SK	1	0.90	.	0.90	0.90
TCULIF	TCULIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	120.00	.	120.00	120.00
CU3	CU3	1	1.00	.	1.00	1.00
CL	CL	1	13.00	.	13.00	13.00
CR	CR	1	0.02	.	0.02	0.02
CU0	CU0	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	2.54	.	2.54	2.54
DUC	DUC	1	52.00	.	52.00	52.00
LAS	LAS	0	.	.	.	.
F	F	1	0.50	.	0.50	0.50
MAKU	MAKU	1	1200.00	.	1200.00	1200.00
FE	FE	1	0.20	.	0.20	0.20
KJ4	KJ4	1	0.30	.	0.30	0.30
PD	PD	1	0.02	.	0.02	0.02
LI	LI	1	0.10	.	0.10	0.10
MG	MG	1	220.00	.	220.00	220.00
MN	MN	1	0.20	.	0.20	0.20
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.03	.	0.03	0.03
NI	NI	1	0.07	.	0.07	0.07
NO3	NO3	1	0.70	.	0.70	0.70
ULGH	ULGH	1	10.00	.	10.00	10.00
SZU3	SZU3	0	.	.	.	.
PH	PH	1	7.44	.	7.44	7.44
K	K	1	8.00	.	8.00	8.00
RA	RA	0	.	.	.	.
DFH	DFH	0	.	.	.	.
RM	RM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	280.00	.	280.00	280.00
TUS	TUS	1	2300.00	.	2300.00	2300.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	270.00	.	270.00	270.00
SH	SH	1	5.70	.	5.70	5.70
SU4	SU4	1	1300.00	.	1300.00	1300.00
TEMP	TEMP	1	16.00	.	16.00	16.00
ZH	ZH	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.01	.	0.01	0.01
CYAN	CYAN	0
NH3	NH3	1	0.50	.	0.50	0.50

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LUC=WD90

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIU2	SIU2	1	12.00	.	12.00	12.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
KB	KB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
RE	RE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R22B	R22B	0	.	.	.	.

LOWER
AQUIFER WELLS

2.2.2.5 Lower Aquifer Wells

During the Interim Monitoring program water quality samples will be taken quarterly and semiannually, depending on the well, for the following parameters.

TABLE 2.2.2.5-1

Parameters Analyzed During IMP - Lower Aquifer

Field Measurements: pH, temperature, dissolved oxygen, conductivity

As	Cl	Mg	CO ₃
Ba	Li	Fluoride	SO ₄
Cr	Al	B	TDS
Cu	Sr	BOC	Oil and Grease
Fe	Se	Phenols	SiO ₂
Hg	Zn	Ammonia	Cn
Mn	Na	Hardness	Total phosphate
Radiology	COD	Alkalinity	K
Pb	Br	NO ₃	
Mo	Ca	HCO ₃	

Samples were taken in August, September, November and December 1982 for Lower Aquifers and LPC₃, LPC₄ zones. Analyses results are presented in Tables 2.2.2.5-2 through 2.2.2.5-5.

Within this section are tables of statistics combining 5 water years (October 1977 - September 1982) of bedrock (Lower aquifers, LPC₃ and LPC₄) well water analyses. Means and standard deviations were calculated with maximum, minimum values and number of samples taken during the 5 year period. Dates which the maximum and minimum values occurred can be referenced in the Water Quality Assurance Section 2.2.4. Water analyses tables of bedrock wells sampled since Baseline (November 1974 through December 1982) appear within the Water Quality Assurance section for reasons cited in that section.

Table 2.2.2.5-6 presents well names, computer code and page number for easy reference of statistics tables.

TABLE 2.2.2.5-2

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 LOWER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	--	--	-----	-----	-----
WY45	82	8	8.8	1390.0	13.0
		12	8.6	1200.0	11.0
WY31	82	8	8.1	1780.0	8.5

TABLE 2.2.2.5-3

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO ₃)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO ₃ (MG/L CACO ₃)	CO ₃ (MG/L CACO ₃)	BH (MG/L)	HARDNESS (MG/L CACO ₃)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WY45	B2		680.0	-0.100	1.000	-0.020	.50	650.0	30.0	-0.100	14.0	1.0	3.0	4.8
		12	650.0	-0.100	.600	-0.020	.70	650.0	-1.0	-0.100	20.0	340.0	3.0	3.1
WY81	B2	B	990.0	-0.100	.900	-0.020	.50	960.0	30.0	-0.100	20.0	600.0	2.6	3.9

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MU	OIL AND GREASE		PHENOLS	K	B	TOTAL DIS		SR	SO ₄	CL	CUO	CM	CU
			MU	NU3	(MG/L)	(MG/L)	(MG/L)	SOLIDS	(MG/L)						
			(MG/L)	(MG/L)				(MG/L)		(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WY45	82	8	.020	-.50	-10.0	-.0400	.90	820.0	1.0	1.0	-5.0	9.7	130.0	-.020	.100
		12	-.010	-.50	-10.0	-.0010	.90	780.0	1.2	1.2	-5.0	6.8	-50.0	-.020	-.020
WY01	82	8	-.010	-.50	-10.0	-.0400	1.00	1100.0	1.2	1.2	5.5	7.8	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-3 (Contd)

CB-TMCT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	Hg (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY45	82	8	10.0		.04		-.01000		*****	-.020	-.050	1.70		.03	19.00
		12	12.0		-.01		-.00020	-.010	-.010	.020	.030	-.05	-.020	.40	21.00
WY81	82	8	11.0		.09		-.00020	-.010		-.020	.050	.07	-.020	.10	22.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-4

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 LOWER PARACHUTE CREEK
 LPC3 - WG LPC4 - WH

WELL	YR	MO	PH	UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	---	---	----	----	-----	-----
WG12	82	11	8.4		4640.0	8.5
WG20	82	9	9.5		2720.0	12.0

TABLE 2.2.2.5-5

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - MG LPC4 - MH

WELL	YR	MO	DATE	TOTAL ALK (MG/L)		AMMONIA AS N (MG/L)		AS (MG/L)		HA (MG/L)		HCO ₃ (MG/L)		CO ₃ (MG/L)		BR (MG/L)		HARDNESS (MG/L)		NA (MG/L)		MG (MG/L)		CA (MG/L)	
				AL	CA	AS	N	AS	MG	HA	MG	HCO ₃	CA	CO ₃	MG	BR	MG	HARDNESS	CA	NA	MG	MG	CA	MG	CA
W612	82	11		2700.0	-0.100	.600	-0.020	.50	2600.0	20.0	-0.100	23.0	2000.0	5.5	1.0										
W620	82	9		1100.0	-0.100	-.030	-0.020	-.50	1000.0	100.0	-0.100	10.0	770.0	1.8	1.0										

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-5 (Contd)

CD-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LAKER PARACHUTE CREEK
LPC3 - MG LPC4 - MH

WELL	YR	MO	MO (MG/L)	NU3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COU (MG/L)	CM (MG/L)	CU (MG/L)
W612	82	11	.070	-.250	-10.0	-.0010	8.7	9.10	3200.0	-.5	5.8	160.0	-50.0	-.020	.020
W620	82	9	.040	-.250	-10.0	-.0400	7.6	1.30	1700.0	.5	-5.0	69.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-5 (Contd)

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - MG LPC4 - MH

WELL	YR	MO	SiO ₂ (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WG12	82	11	17.0		-0.01		-0.00020	-0.010		.020	.100	.60	-0.020	.20	38.00
WG20	82	9	-1.0		1.40	1.80	-0.00020	-0.010		.030	.070	.10	.020	.40	21.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.5-6

5 Year Statistics of Water Analyses of Lower Aquifers and
LPC₃, LPC₄ Zones

<u>Well Name</u>	<u>Computer Code</u>	<u>Page No.</u>
*CB-1	WY01	I-561
*SG-10R Recompletion 1 (LPC ₃)	WG10	I-563
SG-1-1	WY12	I-565
SG-1-1 Recompleted (LPC ₃)	WG12	I-567
SG-17R	WY17	I-569
SG-17-1 Recompleted (LPC ₃)	WG17	I-571
SG-18A-1 Recompleted (LPC ₃)	WG18	I-573
SG-20-1 Recompleted (LPC ₃)	WG20	I-575
SG-21-2 Recompleted (LPC ₃)	WG21	I-577
SG-21-1 Recompleted (LPC ₄)	WH21	I-579
AT-1D-1	WG41	I-581
AT-1C-1	WY45	I-583
AT-1C-2	WY46	I-585
SG-10A-1 Recompleted	WG51	I-587
SG-11R	WY52	I-589
SG-11-1 Recompleted	WG52	I-591
*SG-11-2	WY54	I-593
SG-6-2 Recompleted	WG61	I-595
SG-6-2	WY62	I-597
SG-8	WY80	I-599
SG-8R Recompleted	WY81	I-601
SG-9-1 Recompleted	WG91	I-603
SG-9-1	WY91	I-605

* Wells were recompleted to UPC₁ or UPC₂ zones. Refer to Upper Aquifer Wells section for statistics table.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 183

LUC=NY01

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	3046.67	531.66	2600.00	4080.00
AL	AL	6	0.15	0.12	0.02	0.30
ANS	ANS	6	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	-	1.00	1.00
BA	BA	6	2.45	1.41	1.00	4.10
MC03	MC03	6	2755.00	540.14	2400.00	3830.00
BDU	BDU	6	22.52	19.18	3.00	50.00
H	H	6	2.22	3.33	0.60	9.00
BR	BR	6	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	-	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	6	6.32	1.80	4.40	9.00
CU3	CU3	6	289.50	209.31	120.00	700.00
CL	CL	6	28.17	21.88	2.00	68.00
CM	CM	6	0.04	0.03	0.02	0.10
CUD	CUD	6	22.67	21.52	2.00	52.00
CU	CU	6	0.06	0.07	0.02	0.20
DU	DU	4	2.40	1.33	1.00	3.90
DUC	DUC	6	75.22	88.22	0.10	219.00
LAS	LAS	1	0.05	-	0.05	0.05
F	F	6	30.33	1.51	28.00	32.00
HARD	HARD	6	28.00	8.60	22.00	45.00
FE	FE	6	1.09	1.93	0.02	5.00
KJN	KJN	6	3.96	2.53	1.90	9.00
PR	PR	6	0.04	0.03	0.02	0.10
LI	LI	6	0.04	0.02	0.02	0.08
MG	MG	6	2.95	0.73	2.00	4.00
AN	AN	6	0.07	0.03	0.02	0.10
MN	MN	6	0.01	0.01	0.00	0.02
MOLY	MOLY	6	0.13	0.20	0.01	0.50
VI	VI	6	0.06	0.07	0.02	0.20
NO3	NO3	6	18.65	25.52	0.50	58.00
ULGR	ULGR	6	15.33	21.63	1.00	58.00
SD03	SD03	4	1.05	3.78	0.10	8.00
PH	PH	4	-	-	7.50	8.10
K	K	6	4.20	2.21	0.40	6.10
RA	RA	3	3.20	2.71	0.60	6.00
ETH	ETH	3	28.67	37.54	6.00	72.00
RM	RM	1	0.40	-	0.40	0.40
SE	SE	4	0.02	0.00	0.02	0.03
AG	AG	6	0.02	0.02	0.01	0.06
NA	NA	6	1736.67	826.60	1200.00	3400.00
TDS	TDS	6	1300.06	1780.39	0.10	3300.00
SULS	SULS	3	3376.67	68.07	3300.00	3430.00
SPC	SPC	4	5677.50	1163.91	4200.00	7000.00
SR	SR	6	0.82	0.37	0.30	1.40
SO4	SO4	6	76.17	137.49	3.00	353.00
TEMP	TEMP	2	16.56	2.12	15.00	18.00
ZN	ZN	6	0.04	0.03	0.01	0.10
TUC	TUC	4	129.77	171.92	0.10	381.00
PHEN	PHEN	6	0.01	0.01	0.00	0.02
CTAN	CTAN	6	-	-	-	-
NH3	NH3	6	2.95	0.16	2.80	3.20

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=MY01

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	3	0.10	0.00	0.10	0.10
SI02	SI02	3	0.10	0.00	0.10	0.10
U	U	3	0.10	0.00	0.10	0.10
SUSS	SUSS	3	0.10	0.00	0.10	0.10
TH	TH	3	0.10	0.00	0.10	0.10
CS	CS	3	0.10	0.00	0.10	0.10
I	I	3	0.10	0.00	0.10	0.10
SB	SB	3	0.10	0.00	0.10	0.10
ZK	ZK	3	0.10	0.00	0.10	0.10
Y	Y	3	0.10	0.00	0.10	0.10
MB	MB	3	0.10	0.00	0.10	0.10
GE	GE	3	0.10	0.00	0.10	0.10
GA	GA	3	0.10	0.00	0.10	0.10
TI	TI	3	0.10	0.00	0.10	0.10
SC	SC	3	0.10	0.00	0.10	0.10
W	W	3	0.10	0.00	0.10	0.10
CO	CO	3	0.10	0.00	0.10	0.10
V	V	3	0.10	0.00	0.10	0.10
DE	DE	3	0.10	0.00	0.10	0.10
OH	OH	3	0.10	0.00	0.10	0.10
CH	CH	3	0.10	0.00	0.10	0.10
PA	PA	3	0.10	0.00	0.10	0.10
MA	MA	3	0.10	0.00	0.10	0.10
SCN	SCN	3	0.10	0.00	0.10	0.10
TURB	TURB	3	0.10	0.00	0.10	0.10
FF	FF	3	0.10	0.00	0.10	0.10
TSSF	TSSF	3	0.10	0.00	0.10	0.10
RZ2B	RZ2B	3	0.10	0.00	0.10	0.10

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 73

LUC=4610

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	2	445.00	49.50	410.00	480.00
AL	AL	2	0.10	0.00	0.10	0.10
AKS	AKS	2	0.02	0.00	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
DA	DA	2	0.50	0.00	0.50	0.50
TCUJ	TCUJ	2	400.00	14.14	390.00	410.00
TCUJ	TCUJ	2	3.00	2.03	1.00	5.00
TCUJ	TCUJ	2	0.10	0.00	0.10	0.10
TCUJ	TCUJ	2	0.10	0.00	0.10	0.10
TCUJ	TCUJ	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	2	51.00	7.07	46.00	56.00
CUJ	CUJ	2	45.50	62.93	1.00	90.00
CL	CL	2	32.00	2.83	30.00	34.00
CR	CR	2	0.02	0.00	0.02	0.02
CUU	CUU	2	2.50	2.12	1.00	4.00
CU	CU	2	0.02	0.00	0.02	0.02
CU	CU	2	0.50	0.00	0.50	0.50
UUC	UUC	1	12.00	.	12.00	12.00
LAS	LAS	0	.	.	.	.
F	F	2	1.70	1.50	0.00	2.80
MANU	MANU	2	365.00	63.64	320.00	410.00
FE	FE	2	0.35	0.35	0.10	1.20
KJN	KJN	2	0.75	0.21	0.00	0.90
P3	P3	2	0.02	0.00	0.02	0.02
LI	LI	2	0.05	0.00	0.05	0.05
AG	AG	2	57.00	11.31	49.00	65.00
AN	AN	2	0.06	0.02	0.05	0.08
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	2	0.03	0.02	0.02	0.05
NI	NI	2	0.02	0.01	0.02	0.03
NUJ	NUJ	2	4.95	3.18	2.70	7.20
ULGR	ULGR	2	9.00	1.41	8.00	10.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	2.20	1.50	1.30	7.30
K	K	2	3.00	.	1.10	3.50
MA	MA	1	.	.	3.00	3.00
ATM	ATM	0	.	.	.	.
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	2	0.01	0.00	0.01	0.01
NA	NA	2	215.00	35.36	190.00	240.00
IUS	IUS	2	985.00	21.21	970.00	1000.00
SULS	SULS	0	.	.	.	.
SPL	SPL	1	1400.00	.	1400.00	1400.00
SM	SM	2	7.90	4.38	4.80	11.00
SM	SM	2	360.00	141.42	260.00	460.00
TEMP	TEMP	1	13.50	.	13.50	13.50
ZN	ZN	2	0.01	0.01	0.01	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	2	0.01	0.01	0.00	0.01
CYAN	CYAN	0	.	.	.	.
INH	INH	2	0.50	0.00	0.50	0.50

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
STUC	STUC	0	.	.	.	.
J	J	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
In	In	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
Sp	Sp	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MS	MS	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
■	■	0	.	.	.	.
CU	CU	2	0.02	0.00	0.02	0.02
V	V	0	.	.	.	.
SE	SE	0
UM	UM	0
Cn	Cn	0
PA	PA	0
MA	MA	0
SCN	SCN	0
FUND	FUND	0
FF	FF	0
TSST	TSST	0
WZB	WZB	0

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5 YEAR STATISTICS FOR #A1EM PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=Y12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	0	3440.00	1500.07	490.00	4500.00
AL	AL	0	0.30	0.33	0.10	0.90
AMS	AMS	0	0.00	0.00	0.00	0.10
FCULIF	FCULIF	1	1.00	0.00	1.00	1.00
BA	BA	0	0.00	0.45	0.50	1.60
MCU3	MCU3	0	3218.33	1594.50	490.00	4200.00
BUD	BUD	0	18.05	17.82	1.30	50.00
B	B	0	22.98	8.16	15.00	34.00
BK	BK	0	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	0.00	1.00	1.00
CD	CD	4	0.02	0.00	0.02	0.02
CA	CA	0	8.35	1.76	0.00	11.00
CU3	CU3	0	226.83	167.74	1.00	410.00
CL	CL	0	432.90	250.66	7.40	720.00
CM	CM	0	0.04	0.03	0.02	0.10
CU0	CU0	0	36.33	13.09	25.00	60.00
CU	CU	0	0.05	0.07	0.02	0.20
DU	DU	4	2.00	0.71	1.00	2.50
DUC	DUC	0	84.84	142.63	0.10	337.00
LAS	LAS	1	0.05	0.00	0.05	0.05
F	F	0	30.17	1.83	28.00	32.00
HARD	HARD	0	101.83	126.75	40.00	360.00
FE	FE	0	1.11	1.94	0.02	5.00
KJN	KJN	0	13.28	5.80	9.00	23.40
PB	PB	0	0.05	0.04	0.02	0.10
LI	LI	0	3.17	1.46	1.70	5.00
MG	MG	0	6.58	2.38	3.00	10.00
MN	MN	0	0.08	0.06	0.03	0.20
MO	MO	4	0.01	0.01	0.02	0.02
MOLY	MOLY	0	0.72	1.13	0.04	3.00
NI	NI	0	0.05	0.03	0.02	0.10
NO3	NO3	0	29.13	37.24	0.50	92.00
ULGR	ULGR	0	11.67	5.20	5.00	20.00
S2O3	S2O3	4	2.07	3.95	0.10	8.00
PH	PH	4	16.33	10.46	7.60	28.00
K	K	0	4.00	3.46	0.70	7.60
NA	NA	0	3.00	2.83	1.00	5.00
BTM	BTM	0	0.02	0.01	0.01	0.02
MM	MM	0	0.04	0.08	0.01	0.20
SE	SE	0	0.00	0.00	0.00	0.00
AG	AG	0	2355.00	641.37	1730.00	3200.00
NA	NA	0	1040.06	2057.39	0.10	4700.00
TUS	TUS	0	5836.67	917.41	4780.00	6430.00
SULS	SULS	4	16275.00	1715.19	7000.00	42000.00
SPC	SPC	0	0.95	0.23	0.60	1.30
SM	SM	0	104.33	43.54	5.00	190.00
SU4	SU4	0	15.25	4.57	10.00	21.00
TEMP	TEMP	0	0.16	0.40	0.02	1.00
ZN	ZN	0	27.80	31.99	0.10	56.00
TUC	TUC	0	0.04	0.08	0.00	0.18
PHEN	PHEN	0	0.04	0.08	0.00	0.18
CYAN	CYAN	0	0.04	0.08	0.00	0.18
NH3	NH3	0	14.01	7.73	3.86	22.00

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 186
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LUC=MY12

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	3	0.10	0.00	0.10	0.10
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
HB	HB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	0.00	0.04	0.02	0.10
V	V	2	0.10	0.00	0.10	0.10
BE	BE	U	.	.	.	.
OH	OH	2	0.10	0.00	0.10	0.10
CH	CH	3	0.10	0.00	0.10	0.10
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
M22B	M22B	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=MG12

14:10 THURSDAY, JANUARY 13, 1983

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	2800.00	.	2800.00	2800.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUS	MCUS	1	2000.00	.	2000.00	2000.00
BUU	BUU	1	150.00	.	150.00	150.00
S	S	1	5.70	.	5.70	5.70
DR	DR	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	5.10	.	5.10	5.10
COJ	COJ	1	800.00	.	800.00	800.00
CL	CL	1	140.00	.	140.00	140.00
CR	CR	1	0.02	.	0.02	0.02
COU	COU	1	80.00	.	80.00	80.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	0.58	.	0.58	0.58
UUC	UUC	1	14.00	.	14.00	14.00
LAS	LAS	1	.	.	.	.
F	F	1	32.00	.	32.00	32.00
MARU	MARU	1	34.00	.	34.00	34.00
FE	FE	1	0.10	.	0.10	0.10
KJ4	KJ4	1	3.40	.	3.40	3.40
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.60	.	0.60	0.60
W	W	1	5.10	.	5.10	5.10
W	W	1	0.07	.	0.07	0.07
RG	RG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.10	.	0.10	0.10
NI	NI	1	0.03	.	0.03	0.03
WJ3	WJ3	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SZUJ	SZUJ	0	.	.	.	.
PH	PH	1	.	.	.	.
A	A	1	20.00	.	20.00	20.00
NA	NA	1	3.00	.	3.00	3.00
TFR	TFR	1	16.00	.	16.00	16.00
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	1600.00	.	1600.00	1600.00
TUS	TUS	1	3200.00	.	3200.00	3200.00
SOLS	SOLS	0	.	.	.	.
SFC	SFC	1	4600.00	.	4600.00	4600.00
SR	SR	1	1.40	.	1.40	1.40
SU4	SU4	1	7.00	.	7.00	7.00
TEMP	TEMP	1	23.00	.	23.00	23.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CTA4	CTA4	0	.	.	.	.
INTJ	INTJ	1	2.70	.	2.70	2.70

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 76

LUC=612

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	U	.	.	.	.
SIU2	SIU2	1	9.00	.	9.00	9.00
U	U	U	.	.	.	.
DUSS	DUSS	U	.	.	.	.
IM	IM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
DB	DB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
RD	RD	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
A	A	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
UM	UM	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TUR4	TUR4	U	.	.	.	.
FF	FF	U	.	.	.	.
TS5F	TS5F	U	.	.	.	.
MZ2B	MZ2B	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 187

LJC=NY17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	0	2399.33	1232.08	1700.00	4890.00
AL	AL	0	0.10	0.00	0.00	0.40
AMS	AMS	0	0.02	0.00	0.00	0.02
FCULIF	FCULIF	1	1.00	0.00	1.00	1.00
RA	RA	0	4.52	1.44	2.70	6.30
MCUJ	MCUJ	0	2276.67	1276.21	1700.00	4880.00
RUJ	RUJ	0	6.72	6.19	0.50	15.00
B	B	0	8.02	2.81	5.50	12.60
BM	BM	0	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	0.00	1.00	1.00
CU	CU	4	0.02	0.00	0.02	0.02
CA	CA	0	4.10	2.31	0.20	12.00
CUJ	CUJ	0	111.50	147.94	1.00	400.00
CL	CL	0	219.00	129.11	4.00	390.00
CM	CM	0	0.04	0.03	0.02	0.10
CUU	CUU	0	26.00	10.26	13.00	37.00
CU	CU	0	0.05	0.07	0.02	0.20
UU	UU	4	3.87	2.25	1.00	6.30
UUC	UUC	0	53.62	68.72	0.10	162.00
LAS	LAS	1	0.05	0.00	0.05	0.05
F	F	0	23.00	2.53	21.00	28.00
RAMD	RAMD	0	45.67	8.50	38.00	58.00
FE	FE	0	1.03	1.96	0.02	5.00
KJN	KJN	0	3.40	1.73	3.00	8.00
PA	PA	0	0.07	0.07	0.02	0.20
LI	LI	0	0.82	0.35	0.40	1.40
MG	MG	0	5.10	1.77	2.00	7.00
MG	MG	0	0.07	0.07	0.02	0.20
MG	MG	0	0.01	0.01	0.00	0.02
MOLY	MOLY	0	0.03	0.03	0.01	0.10
NI	NI	0	0.04	0.03	0.02	0.10
NUJ	NUJ	0	6.00	5.60	0.10	15.00
ULGM	ULGM	0	5.40	4.99	1.00	12.00
SCUJ	SCUJ	4	2.05	3.33	0.10	7.00
PH	PH	4	6.33	3.98	7.70	7.90
K	K	0	3.00	3.75	0.50	11.00
MA	MA	0	22.75	22.81	0.40	9.80
HTH	HTH	4	1.35	1.06	3.00	43.00
SE	SE	4	0.02	0.00	0.02	2.10
AG	AG	0	0.01	0.01	0.01	0.02
NA	NA	0	1421.67	695.43	900.00	2700.00
IUS	IUS	0	936.06	1281.93	0.10	2380.00
SULS	SULS	4	3070.00	409.51	2700.00	3510.00
SPC	SPC	4	9945.00	10707.57	4280.00	26000.00
SM	SM	0	1.82	0.52	1.20	2.60
SU4	SU4	0	56.50	46.94	4.00	222.00
TEMP	TEMP	4	18.50	3.11	14.00	21.00
ZN	ZN	0	0.05	0.04	0.02	0.10
TUC	TUC	4	94.77	100.45	0.10	228.00
PHEN	PHEN	0	0.01	0.01	0.00	0.02
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NYJ	NYJ	0	5.71	2.12	2.50	8.30

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=NY17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
ST02	ST02	3	0.10	0.00	0.10	0.10
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
■	■	0	.	.	.	.
CU	CU	4	0.06	0.05	0.02	0.10
V	V	2	0.10	0.00	0.10	0.10
BE	BE	0	.	.	.	.
UH	UH	2	0.10	0.00	0.10	0.10
CH	CH	3	0.10	0.00	0.10	0.10
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
M22B	M22B	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)
LUC=4617

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
FALK	FALK	1	0.00	.	0.00	0.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	2.30	.	2.30	2.30
MCUJ	MCUJ	1	1.00	.	1.00	1.00
BOD	BOD	1	150.00	.	150.00	150.00
B	B	1	0.40	.	0.40	0.40
SR	SR	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	250.00	.	250.00	250.00
COJ	COJ	1	0.00	.	0.00	0.00
CL	CL	1	1300.00	.	1300.00	1300.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	1.7.00	.	1.7.00	1.7.00
CU	CU	1	0.04	.	0.04	0.04
DU	DU	1	2.54	.	2.54	2.54
DUC	DUC	1	16.00	.	16.00	16.00
LAS	LAS	0	.	.	.	.
F	F	1	1.80	.	1.80	1.80
MARKU	MARKU	1	620.00	.	620.00	620.00
FE	FE	1	0.08	.	0.08	0.08
KJN	KJN	1	3.60	.	3.60	3.60
PD	PD	1	0.02	.	0.02	0.02
LI	LI	1	1.20	.	1.20	1.20
MS	MS	1	0.50	.	0.50	0.50
MN	MN	1	0.02	.	0.02	0.02
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.30	.	0.30	0.30
NI	NI	1	0.05	.	0.05	0.05
NOJ	NOJ	1	0.50	.	0.50	0.50
ULGM	ULGM	1	9.00	.	9.00	9.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	220.00	.	11.20	11.20
K	K	1	.	.	220.00	220.00
KA	KA	0	.	.	.	.
HTH	HTH	0	.	.	.	.
MM	MM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	700.00	.	700.00	700.00
IUS	IUS	1	1600.00	.	1600.00	1600.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	5020.00	.	5020.00	5020.00
SM	SM	1	12.00	.	12.00	12.00
SU4	SU4	1	15.00	.	15.00	15.00
TEMP	TEMP	1	25.00	.	25.00	25.00
ZH	ZH	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.04	.	0.04	0.04
CTAN	CTAN	0	.	.	.	.
NHJ	NHJ	1	3.80	.	3.80	3.80

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14110 THURSDAY, JANUARY 13, 1983 78

LUC=4617

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSF	PSF	U	1.00	.	1.00	1.00
SI02	SI02	U	1.00	.	1.00	1.00
U	U	U	.	.	.	.
SI03	SI03	U	.	.	.	.
IN	IN	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
AB	AB	U	.	.	.	.
GE	GE	U	.	.	.	.
BA	BA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
4	4	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
RE	RE	U	.	.	.	.
UM	UM	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
VA	VA	U	.	.	.	.
SCN	SCN	U	0.20	0.20	0.20	0.20
IUM6	IUM6	U	.	.	.	.
RF	RF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
RECH	RECH	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 79

LUC=4618

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	520.00	.	520.00	520.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HCU3	HCU3	1	450.00	.	450.00	450.00
SUU	SUU	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
YM	YM	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	52.00	.	52.00	52.00
CUS	CUS	1	68.00	.	68.00	68.00
CL	CL	1	52.00	.	52.00	52.00
CH	CH	1	0.02	.	0.02	0.02
CUD	CUD	1	93.00	.	93.00	93.00
CU	CU	1	0.03	.	0.03	0.03
UU	UU	1	1.03	.	1.03	1.03
UUC	UUC	1	38.00	.	38.00	38.00
LAS	LAS	0	.	.	.	.
F	F	1	4.80	.	4.80	4.80
TAU	TAU	1	410.00	.	410.00	410.00
FE	FE	1	0.20	.	0.20	0.20
KUN	KUN	1	1.40	.	1.40	1.40
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.09	.	0.09	0.09
AG	AG	1	67.00	.	67.00	67.00
AN	AN	1	0.20	.	0.20	0.20
MS	MS	1	0.00	.	0.00	0.00
MULY	MULY	1	0.04	.	0.04	0.04
NI	NI	1	0.05	.	0.05	0.05
NO3	NO3	1	0.50	.	0.50	0.50
ULOM	ULOM	1	9.00	.	9.00	9.00
SZU3	SZU3	0	.	.	.	.
PH	PH	1	7.62	.	7.62	7.62
K	K	1	3.40	.	3.40	3.40
KA	KA	0	.	.	.	.
HT4	HT4	0	.	.	.	.
MR	MR	0	.	.	.	.
SE	SE	0	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
HA	HA	1	200.00	.	200.00	200.00
TUS	TUS	1	950.00	.	950.00	950.00
SUL3	SUL3	0	.	.	.	.
SPC	SPC	1	1390.00	.	1390.00	1390.00
SM	SM	1	9.70	.	9.70	9.70
SU4	SU4	1	200.00	.	200.00	200.00
TEMP	TEMP	1	24.00	.	24.00	24.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.02	.	0.02	0.02
CTAN	CTAN	0	.	.	.	.
NH3	NH3	1	1.10	.	1.10	1.10

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=8618

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	1	12.00	.	12.00	12.00
U	U	U	.	.	.	.
SOSS	SOSS	U	.	.	.	.
Im	Im	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZR	ZR	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
DE	DE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
RE	RE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
TA	TA	U	.	.	.	.
SUN	SUN	U	0.10	.	0.10	0.10
TURB	TURB	1	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
RZEB	RZEB	U

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=6620

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	1600.00	.	1600.00	1600.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUJ	MCUJ	1	1200.00	.	1200.00	1200.00
WU	WU	1	150.00	.	150.00	150.00
d	d	1	1.00	.	1.00	1.00
BR	BR	1	0.10	.	0.10	0.10
ICULIF	ICULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	5.80	.	5.80	5.80
CUJ	CUJ	1	380.00	.	380.00	380.00
CL	CL	1	100.00	.	100.00	100.00
CR	CR	1	0.02	.	0.02	0.02
CUD	CUD	1	149.00	.	149.00	149.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	3.06	.	3.06	3.06
DUC	DUC	1	6.00	.	6.00	6.00
LAS	LAS	0	.	.	.	.
F	F	1	28.00	.	28.00	28.00
MARKU	MARKU	1	100.00	.	100.00	100.00
FE	FE	1	0.10	.	0.10	0.10
KJN	KJN	1	4.30	.	4.30	4.30
PJ	PJ	1	0.02	.	0.02	0.02
LI	LI	1	0.20	.	0.20	0.20
MS	MS	1	3.20	.	3.20	3.20
MN	MN	1	0.03	.	0.03	0.03
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.02	.	0.02	0.02
NI	NI	1	0.03	.	0.03	0.03
NOJ	NOJ	1	0.50	.	0.50	0.50
ULGR	ULGR	1	43.00	.	43.00	43.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	10.00	.	10.00	10.00
K	K	1	.	.	.	.
MA	MA	0	.	.	.	.
TIK	TIK	0	.	.	.	.
MR	MR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AS	AS	1	0.01	.	0.01	0.01
MA	MA	1	830.00	.	830.00	830.00
TUJ	TUJ	1	1900.00	.	1900.00	1900.00
SULS	SULS	0	.	.	.	.
SFC	SFC	1	2830.00	.	2830.00	2830.00
SK	SK	1	0.50	.	0.50	0.50
304	304	1	13.00	.	13.00	13.00
LEMP	LEMP	1	25.00	.	25.00	25.00
ZN	ZN	1	0.03	.	0.03	0.03
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CTA4	CTA4	0	.	.	.	.
WHJ	WHJ	1	1.50	.	1.50	1.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 10:10 THURSDAY, JANUARY 13, 1983 82

LUC#0620

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
ST02	ST02	1	12.00	.	12.00	12.00
J	J	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
IN	IN	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SM	SM	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UM	UM	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSP	TSSP	0	.	.	.	.
ME20	ME20	0

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=8621

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	740.00	.	740.00	740.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.03	.	0.03	0.03
FLULIF	FLULIF	0	.	.	.	.
DA	DA	1	0.50	.	0.50	0.50
NCUS	NCUS	1	440.00	.	440.00	440.00
MOU	MOU	1	150.00	.	150.00	150.00
S	S	1	0.80	.	0.80	0.80
SR	SR	1	0.10	.	0.10	0.10
FLULIF	FLULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	6.50	.	6.50	6.50
CUJ	CUJ	1	300.00	.	300.00	300.00
CL	CL	1	41.00	.	41.00	41.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	4.29	.	4.29	4.29
DUC	DUC	1	4.00	.	4.00	4.00
LAS	LAS	0	.	.	.	.
F	F	1	16.00	.	16.00	16.00
MANU	MANU	1	34.00	.	34.00	34.00
FE	FE	1	0.20	.	0.20	0.20
KUJ	KUJ	1	1.60	.	1.60	1.60
PS	PS	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MO	MO	1	4.30	.	4.30	4.30
AN	AN	1	0.02	.	0.02	0.02
MS	MS	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.10	.	0.10	0.10
NI	NI	1	0.02	.	0.02	0.02
MOJ	MOJ	1	0.50	.	0.50	0.50
ULOR	ULOR	1	10.00	.	10.00	10.00
SEUJ	SEUJ	0	.	.	.	.
PH	PH	1	11.00	.	11.00	11.00
K	K	1	3.00	.	3.00	3.00
KA	KA	1	4.00	.	4.00	4.00
STN	STN	0	.	.	.	.
RR	RR	1	0.01	.	0.01	0.01
SE	SE	1	0.01	.	0.01	0.01
AS	AS	1	370.00	.	370.00	370.00
4A	4A	1	860.00	.	860.00	860.00
FUS	FUS	1	.	.	.	.
SULS	SULS	0	.	.	.	.
SPC	SPC	1	1460.00	.	1460.00	1460.00
SR	SR	1	1.20	.	1.20	1.20
SO*	SO*	1	24.00	.	24.00	24.00
TEMP	TEMP	1	20.00	.	20.00	20.00
ZN	ZN	1	0.02	.	0.02	0.02
ZN	ZN	0	.	.	.	.
FUC	FUC	0	.	.	.	.
PHEN	PHEN	0	0.03	.	0.03	0.03
CYAN	CYAN	0	.	.	.	.
YMS	YMS	1	1.40	.	1.40	1.40

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=4621

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	U	0.80	.	0.80	.
SI02	SI02	U	0.80	.	0.80	0.80
U	U	U	.	.	.	.
SI05	SI05	U	.	.	.	.
IM	IM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SD	SD	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
AB	AB	U	.	.	.	.
DE	DE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
AA	AA	U	.	.	.	.
SCN	SCN	U	0.10	.	0.10	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
KZCB	KZCB	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=MH21

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	410.00	.	410.00	410.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCJ3	MCJ3	1	230.00	.	230.00	230.00
DDU	DDU	1	150.00	.	150.00	150.00
3	3	1	0.30	.	0.30	0.30
BR	BR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	0.10	.	0.10	0.10
CU3	CU3	1	100.00	.	100.00	100.00
CL	CL	1	30.00	.	30.00	30.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UG	UG	1	3.30	.	3.30	3.30
DOC	DOC	1	14.00	.	14.00	14.00
LAS	LAS	0	.	.	.	.
F	F	1	14.00	.	14.00	14.00
MMU	MMU	1	36.00	.	36.00	36.00
FE	FE	1	0.30	.	0.30	0.30
KJN	KJN	1	1.60	.	1.60	1.60
PB	PB	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	5.00	.	5.00	5.00
AN	AN	1	0.02	.	0.02	0.02
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.03	.	0.03	0.03
NI	NI	1	0.02	.	0.02	0.02
NUJ	NUJ	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	8.93	.	8.93	8.93
K	K	1	10.00	.	10.00	10.00
KA	KA	1	2.00	.	2.00	2.00
HTR	HTR	1	10.00	.	10.00	10.00
MM	MM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	200.00	.	200.00	200.00
TUS	TUS	1	500.00	.	500.00	500.00
SUL3	SUL3	0	.	.	.	.
SFC	SFC	1	850.00	.	850.00	850.00
SR	SR	1	0.90	.	0.90	0.90
SU4	SU4	1	23.00	.	23.00	23.00
TEMP	TEMP	1	21.00	.	21.00	21.00
ZN	ZN	1	0.02	.	0.02	0.02
IUC	IUC	0	.	.	.	.
PHEN	PHEN	1	0.05	.	0.05	0.05
CYAN	CYAN	0	.	.	.	.
NUJ	NUJ	1	1.60	.	1.60	1.60

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 96

LUC=#H21

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIJ2	SIJ2	I	8.50	.	8.50	8.50
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
Im	Im	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SH	SH	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CO	CO	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	0.10	.	0.10	0.10
TURB	TURB	I	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
AC2B	AC2B	U	.	.	.	.

LUC=4641

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	660.00	.	660.00	660.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.20	.	0.20	0.20
HCUS	HCUS	1	440.00	.	440.00	440.00
QUU	QUU	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
BR	BR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	3.90	.	3.90	3.90
CUJ	CUJ	1	220.00	.	220.00	220.00
CL	CL	1	11.00	.	11.00	11.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	64.00	.	64.00	64.00
CU	CU	1	0.02	.	0.02	0.02
CU	CU	1	1.03	.	1.03	1.03
DUC	DUC	1	14.00	.	14.00	14.00
LAS	LAS	0	.	.	.	.
F	F	1	20.00	.	20.00	20.00
RAMU	RAMU	1	24.00	.	24.00	24.00
FE	FE	1	0.02	.	0.02	0.02
KJH	KJH	1	1.90	.	1.90	1.90
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	3.90	.	3.90	3.90
MN	MN	1	0.02	.	0.02	0.02
MG	MG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.06	.	0.06	0.06
MI	MI	1	0.02	.	0.02	0.02
NOJ	NOJ	1	0.20	.	0.20	0.20
ULOR	ULOR	1	10.00	.	10.00	10.00
SEUS	SEUS	0	.	.	.	.
PH	PH	1	8.80	.	8.97	8.80
K	K	1	.	.	.	.
KA	KA	0	.	.	.	.
TH	TH	0	.	.	.	.
MM	MM	0	.	.	.	.
DE	DE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
KA	KA	1	310.00	.	310.00	310.00
TUS	TUS	1	750.00	.	750.00	750.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	1183.00	.	1183.00	1183.00
SM	SM	1	1.90	.	1.90	1.90
SOH	SOH	1	5.00	.	5.00	5.00
TEMP	TEMP	1	19.00	.	19.00	19.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.02	.	0.02	0.02
LYAN	LYAN	0	.	.	.	.
AMS	AMS	1	1.90	.	1.90	1.90

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 10:10 THURSDAY, JANUARY 13, 1983 86

LUC=4641

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SI05	SI05	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
UA	UA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
RE	RE	0	.	.	.	.
UH	UH	0
CH	CH	0
PA	PA	0
MA	MA	0
SCN	SCN	1	0.10	.	0.10	.
TURB	TURB	0
FF	FF	0
TSF	TSF	0
M22B	M22B	0

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=MY43

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	8	717.50	93.92	640.00	940.00
AL	AL	8	0.11	0.06	0.02	0.30
AMS	AMS	8	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
DA	DA	8	1.39	0.96	0.50	3.10
MCUJ	MCUJ	8	612.50	123.61	490.00	890.00
BOU	BOU	8	55.00	56.82	13.00	150.00
B	B	8	0.74	0.18	0.40	1.00
HH	HH	7	0.10	0.00	0.10	0.10
ICULIF	ICULIF	2	1.00	0.00	1.00	1.00
CD	CD	3	0.02	0.00	0.02	0.02
CA	CA	8	4.66	1.50	2.80	6.90
CUJ	CUJ	8	102.38	77.44	3.00	240.00
CL	CL	8	11.32	10.85	2.00	36.00
CR	CR	7	0.02	0.00	0.02	0.02
CUU	CUU	8	50.06	54.90	5.20	140.00
CU	CU	8	0.03	0.03	0.02	0.10
DU	DU	4	2.67	0.96	1.70	3.50
DOC	DOC	7	3.83	3.50	0.10	8.00
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	8	20.38	2.00	19.00	25.00
MAKU	MAKU	7	76.00	118.31	14.00	340.00
FE	FE	8	0.16	0.24	0.01	0.60
KJN	KJN	8	1.58	0.74	1.00	3.00
PR	PR	8	0.03	0.02	0.02	0.05
LI	LI	8	0.25	0.58	0.03	1.70
MS	MS	8	2.30	1.05	0.02	3.20
MIN	MIN	8	0.02	0.01	0.00	0.05
HG	HG	7	0.01	0.01	0.00	0.02
MULY	MULY	8	0.02	0.01	0.01	0.04
NI	NI	7	1.32	3.43	0.02	9.10
NOJ	NOJ	8	6.56	12.57	0.10	35.00
ULGR	ULGR	8	9.10	3.24	2.00	13.00
SZUJ	SZUJ	3	4.37	5.82	0.10	11.00
PH	PH	8	9.13	5.97	0.10	9.20
K	K	8	10.10	9.98	0.01	18.00
RA	RA	3	37.20	62.42	1.20	26.00
dFM	dFM	1	3.00	.	2.00	148.00
HH	HH	8	0.01	0.01	0.01	3.00
SE	SE	8	68.58	181.42	0.01	0.02
AG	AG	7	282.63	117.10	1.00	480.00
NA	NA	8	605.02	374.54	0.10	370.00
TUS	TUS	8	956.50	61.52	913.00	870.00
SOLS	SOLS	2	1266.67	93.52	1150.00	1000.00
SFC	SFC	8	1.71	0.71	0.50	1390.00
SM	SM	8	16.00	20.47	5.00	2.40
SU4	SU4	8	14.37	6.20	6.00	62.00
TEMP	TEMP	8	0.03	0.02	0.01	25.00
ZN	ZN	8	65.37	76.80	0.10	0.08
IUC	IUC	3	0.01	0.01	0.00	150.00
PHEN	PHEN	7	.	.	0.00	0.04
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	7	1.10	0.26	0.70	1.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=NY45

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	1	0.04	.	0.04	0.04
SI02	SI02	5	6.08	5.50	0.10	11.00
U	U	0	.	.	.	.
DUSS	DUSS	0	.	.	.	.
TM	TM	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	4	0.04	0.04	0.02	0.10
V	V	1	0.10	.	0.10	0.10
BE	BE	0	.	.	.	.
OH	OH	1	0.10	.	0.10	0.10
CH	CH	2	0.10	0.00	0.10	0.10
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
M22R	M22R	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 191
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LOC=MY46

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	645.00	25.68	620.00	680.00
AL	AL	6	0.17	0.12	0.10	0.40
AMS	AMS	6	0.02	0.00	0.02	0.02
FCULIF	FCULIF	6	1.00	0.00	1.00	1.00
DA	DA	6	2.25	1.91	0.70	5.90
MCUJ	MCUJ	6	553.33	44.57	470.00	600.00
DUU	DUU	6	37.50	55.71	8.00	150.00
B	B	6	0.55	0.19	0.30	0.80
DR	DR	6	0.10	0.00	0.10	0.10
TCULIF	TCULIF	1	1.00	*	1.00	1.00
CD	CD	3	0.02	0.00	0.02	0.02
CA	CA	6	7.02	1.51	4.70	8.90
CUJ	CUJ	6	91.67	44.46	40.00	150.00
CL	CL	6	14.68	21.93	2.40	59.00
CM	CM	6	0.02	0.00	0.02	0.02
CUU	CUU	6	32.70	34.09	6.00	96.00
CU	CU	6	0.02	0.00	0.02	0.02
DU	DU	4	2.40	0.62	2.00	3.30
DUC	DUC	3	12.26	21.10	2.00	50.00
LAS	LAS	1	0.05	*	0.05	0.05
F	F	6	18.62	8.80	18.00	20.00
HAMU	HAMU	6	74.00	83.03	22.00	240.00
FE	FE	6	0.11	0.14	0.02	0.50
KUN	KUN	6	1.30	0.89	0.10	2.80
PR	PR	6	0.05	0.07	0.02	0.20
LI	LI	6	0.05	0.01	0.03	0.06
MS	MS	6	3.90	0.94	2.60	5.00
AN	AN	6	0.04	0.02	0.02	0.08
MG	MG	6	0.01	0.01	0.01	0.02
MULY	MULY	6	0.04	0.04	0.01	0.10
NI	NI	6	0.03	0.03	0.02	0.10
NOJ	NOJ	6	4.58	7.93	0.10	20.00
ULGH	ULGH	6	11.00	6.45	2.00	20.00
SZUJ	SZUJ	3	3.70	5.47	0.10	10.00
PH	PH	4	*	5.47	7.80	8.70
K	K	6	4.90	3.29	1.50	9.90
MA	MA	3	25.88	36.78	3.50	90.00
ETH	ETH	4	45.00	43.11	3.00	97.00
MH	MH	1	2.20	*	2.20	2.20
SE	SE	3	0.02	0.00	0.01	0.02
AG	AG	6	0.01	0.01	0.01	0.02
NA	NA	6	313.33	46.76	240.00	380.00
TUS	TUS	6	501.70	388.97	0.10	770.00
SULS	SULS	3	736.67	15.28	720.00	750.00
SFC	SFC	4	1180.00	85.24	1100.00	1300.00
SM	SM	6	3.13	0.78	2.10	4.10
SU4	SU4	6	64.00	125.68	5.00	320.00
TEMP	TEMP	4	16.00	7.48	6.00	24.00
ZN	ZN	6	0.18	0.40	0.01	1.00
TUC	TUC	3	87.33	34.67	39.00	106.00
PHEN	PHEN	6	0.00	0.00	0.00	0.01
CYAN	CYAN	6	*	*	*	*
NHJ	NHJ	6	1.00	0.38	0.30	1.40

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=Y46

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0				
SI02	SI02	3	3.40	5.72	0.10	10.00
U	U	0				
SUSS	SUSS	0				
TH	TH	0				
CS	CS	0				
I	I	0				
SB	SB	0				
ZH	ZH	0				
Y	Y	0				
RM	RM	0				
GE	GE	0				
GA	GA	0				
TI	TI	0				
SC	SC	0				
W	W	0				
CU	CU	4	0.00	0.05	0.02	0.10
V	V	2	0.10	0.00	0.10	0.10
HE	HE	0				
OH	OH	2	0.10	0.00	0.10	0.10
CH	CH	2	0.10	0.00	0.10	0.10
PA	PA	0				
MA	MA	0				
SCN	SCN	1	0.10		0.10	0.10
TURB	TURB	0				
FF	FF	0				
TSSF	TSSF	0				
M22B	M22B	0				

LUC=4651

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALA	TALA	1	930.00	.	930.00	930.00
AL	AL	1	0.20	.	0.20	0.20
ARS	ARS	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUJ	MCUJ	1	1.00	.	1.00	1.00
MOU	MOU	1	150.00	.	150.00	150.00
T	T	1	1.20	.	1.20	1.20
TK	TK	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	1.20	.	1.20	1.20
CUS	CUS	1	900.00	.	900.00	900.00
CL	CL	1	210.00	.	210.00	210.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	1.50	.	1.50	1.50
UUC	UUC	1	51.00	.	51.00	51.00
LAS	LAS	0	.	.	.	.
F	F	1	21.00	.	21.00	21.00
PARU	PARU	1	10.00	.	10.00	10.00
FE	FE	1	0.10	.	0.10	0.10
KJN	KJN	1	2.80	.	2.80	2.80
PJ	PJ	1	0.02	.	0.02	0.02
LI	LI	1	0.10	.	0.10	0.10
AG	AG	1	0.50	.	0.50	0.50
YN	YN	1	0.02	.	0.02	0.02
MS	MS	1	0.00	.	0.00	0.00
MULY	MULY	1	0.30	.	0.30	0.30
NI	NI	1	0.05	.	0.05	0.05
NUJ	NUJ	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	150.00	.	150.00	150.00
K	K	1	.	.	.	.
KA	KA	0	.	.	.	.
GLR	GLR	0	.	.	.	.
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
VA	VA	1	480.00	.	480.00	480.00
IJS	IJS	1	1500.00	.	1500.00	1500.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	2520.00	.	2520.00	2520.00
SK	SK	1	0.50	.	0.50	0.50
SO+	SO+	1	73.00	.	73.00	73.00
TEMP	TEMP	1	18.00	.	18.00	18.00
ZN	ZN	1	0.02	.	0.02	0.02
IUC	IUC	0	.	.	.	.
PHFI	PHFI	1	0.02	.	0.02	0.02
CF4H	CF4H	0	.	.	.	.
NHJ	NHJ	1	2.80	.	2.80	2.80

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 10:10 THURSDAY, JANUARY 13, 1983 88

LUC=MG51

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
STUD	STUD	1	2.20	.	2.20	2.20
J	J	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
IN	IN	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
DO	DO	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GC	GC	U	.	.	.	.
BA	BA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
M	M	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
AL	AL	U	.	.	.	.
UM	UM	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	1	0.20	.	0.20	0.20
TURH	TURH	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
ISDR	ISDR	U	.	.	.	.
ALZB	ALZB	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LQC=MY52

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	0	2208.33	1683.03	580.00	5370.00
AL	AL	0	0.33	0.36	0.10	1.00
AKS	AKS	0	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	0.02	1.00
BA	BA	0	3.43	2.52	0.50	6.00
MCUJ	MCUJ	0	2130.00	1716.31	500.00	5360.00
HOD	HOD	0	12.50	16.24	1.00	45.00
B	B	0	16.38	13.57	0.60	39.20
BR	BR	0	0.10	0.00	0.10	1.00
ICOLIF	ICOLIF	1	1.00	.	1.00	1.00
CD	CD	4	0.02	0.00	0.02	0.02
CA	CA	0	10.90	4.03	6.80	16.00
CUJ	CUJ	0	87.67	73.91	1.00	180.00
CL	CL	0	376.83	438.00	11.00	1160.00
CH	CH	0	0.02	0.00	0.02	0.02
CUU	CUU	0	59.00	127.88	4.00	320.00
CU	CU	0	0.06	0.07	0.02	0.20
UU	UU	4	3.50	1.15	2.00	4.50
DUC	DUC	5	119.74	226.53	0.10	523.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	0	21.00	1.67	16.00	22.00
MANU	MANU	0	49.83	17.52	29.00	72.00
FE	FE	0	1.11	1.92	0.02	5.00
KUN	KUN	0	8.97	6.38	1.00	19.00
PR	PR	0	0.15	0.23	0.02	0.60
LI	LI	0	2.60	2.18	0.03	6.00
MG	MG	0	5.47	2.16	3.00	8.00
MN	MN	0	0.05	0.03	0.03	0.10
MO	MO	5	0.01	0.01	0.00	0.02
MULY	MULY	0	0.05	0.04	0.01	0.10
NI	NI	0	0.04	0.03	0.02	0.10
NOJ	NOJ	0	13.45	11.70	0.20	29.00
OLUH	OLUH	0	12.83	10.07	1.00	25.00
SCUJ	SCUJ	4	1.60	2.83	0.10	6.00
PH	PH	4	0.90	4.78	7.76	7.90
K	K	0	4.23	3.43	2.00	15.00
HA	HA	3	37.00	21.21	22.00	7.00
dlh	dlh	2	2.00	.	2.00	52.00
KH	KH	1	0.02	0.01	0.01	0.02
SE	SE	4	0.01	0.01	0.01	0.02
AG	AG	0	1226.67	870.26	290.00	2700.00
NA	NA	0	740.06	1013.85	0.10	1900.00
TUS	TUS	3	3353.33	2990.27	340.00	6320.00
SULS	SULS	4	12315.00	11098.45	3560.00	28200.00
SHC	SHC	0	2.67	0.71	1.70	3.70
SH	SH	0	7.33	4.41	4.00	16.00
SO*	SO*	0	18.00	5.72	11.00	24.00
TEMP	TEMP	4	0.18	0.40	0.01	1.00
ZN	ZN	0	172.02	258.51	0.10	555.00
TUC	TUC	4	0.00	0.00	0.00	0.01
PHEN	PHEN	5	.	.	.	.
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NHJ	NHJ	3	6.76	4.14	1.00	12.00

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 194

LOC=MY22

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	3	0.10	0.00	0.10	0.10
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
HB	HB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	4	0.06	0.05	0.02	0.10
V	V	2	0.10	0.00	0.10	0.10
BE	BE	0	.	.	.	.
OH	OH	2	0.10	0.00	0.10	0.10
CH	CH	3	0.10	0.00	0.10	0.10
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSF	TSF	0	.	.	.	.
M22B	M22B	0	.	.	.	.

LUC#652

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	810.00	.	810.00	810.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUJ	MCUJ	1	740.00	.	740.00	740.00
YUU	YUU	1	150.00	.	150.00	150.00
B	B	1	2.60	.	2.60	2.60
GR	GR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	26.00	.	26.00	26.00
CUJ	CUJ	1	66.00	.	66.00	66.00
CL	CL	1	59.00	.	59.00	59.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	1	1.65	.	1.65	1.65
DUC	DUC	1	14.00	.	14.00	14.00
LAS	LAS	0	.	.	.	.
F	F	1	17.00	.	17.00	17.00
MAHU	MAHU	1	190.00	.	190.00	190.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	2.20	.	2.20	2.20
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.50	.	0.50	0.50
MS	MS	1	30.00	.	30.00	30.00
YN	YN	1	0.06	.	0.06	0.06
MS	MS	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.02	.	0.02	0.02
YUJ	YUJ	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	6.10	.	6.10	6.10
K	K	1	1.00	.	1.00	1.00
MA	MA	1	.	.	.	.
GR	GR	0	.	.	.	.
DE	DE	1	0.01	.	0.01	0.01
AB	AB	1	0.01	.	0.01	0.01
NA	NA	1	390.00	.	390.00	390.00
TUS	TUS	1	1200.00	.	1200.00	1200.00
SULS	SULS	0	.	.	.	.
SFC	SFC	1	1690.00	.	1690.00	1690.00
GR	GR	1	2.50	.	2.50	2.50
SU4	SU4	1	150.00	.	150.00	150.00
TEAP	TEAP	1	22.00	.	22.00	22.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEX	PHEX	1	0.02	.	0.02	0.02
LTAN	LTAN	0	.	.	.	.
INHJ	INHJ	1	1.80	.	1.80	1.80

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOG=MG52

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	1	16.00	.	16.00	16.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
DE	DE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
*	*	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSST	TSST	0	.	.	.	.
MZ23	MZ23	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 195
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LUC=MY54

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	786.00	298.13	510.00	1120.00
AL	AL	3	0.12	0.04	0.10	0.20
AMS	AMS	3	0.02	0.00	0.02	0.03
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	3	1.38	0.89	0.50	2.60
HCU3	HCU3	3	708.00	300.28	460.00	1070.00
BUD	BUD	3	8.88	7.85	3.00	22.00
B	B	3	2.44	3.19	0.00	7.80
BR	BR	3	0.12	0.04	0.10	0.19
TCULIF	TCULIF	1	1.00	.	1.00	1.00
CU	CU	3	0.02	0.00	0.02	0.02
CA	CA	3	28.44	20.97	5.50	46.00
CU3	CU3	3	80.00	47.43	20.00	140.00
CL	CL	3	71.52	80.08	3.60	200.00
CR	CR	3	0.02	0.00	0.02	0.02
CUD	CUD	3	37.40	63.15	3.00	150.00
CU	CU	3	0.06	0.08	0.02	0.20
DU	DU	3	3.10	2.15	1.00	5.30
UUC	UUC	4	20.10	21.56	2.00	50.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	3	10.20	8.23	1.90	20.00
HAKU	HAKU	3	225.40	229.09	30.00	490.00
FE	FE	3	1.52	2.03	0.02	5.00
KJN	KJN	3	2.48	0.97	1.00	3.40
PB	PB	3	0.08	0.07	0.02	0.20
LI	LI	3	0.34	0.39	0.05	0.70
MU	MU	3	43.00	50.68	3.20	110.00
MN	MN	3	0.07	0.08	0.02	0.20
HU	HU	3	0.01	0.01	0.00	0.02
MOLY	MOLY	3	0.24	0.42	0.02	1.00
NI	NI	3	0.04	0.04	0.02	0.10
NOJ	NOJ	3	12.80	17.18	0.10	41.00
ULGH	ULGH	3	10.20	7.19	2.00	19.00
SZU3	SZU3	3	2.03	2.61	0.10	5.00
PH	PH	3	.	.	7.40	8.10
K	K	3	4.24	2.74	2.10	9.00
HA	HA	4	1.80	0.47	1.50	2.50
HFR	HFR	3	12.67	8.74	3.00	20.00
HR	HR	0	.	.	.	.
SE	SE	4	0.02	0.01	0.01	0.02
AG	AG	3	0.02	0.01	0.01	0.02
RA	RA	3	384.00	209.71	210.00	680.00
FDS	FDS	4	450.05	544.62	0.10	1100.00
SUL3	SUL3	2	1350.00	212.13	1200.00	1500.00
SPL	SPL	3	1633.33	351.19	1300.00	2000.00
SK	SK	3	3.50	1.84	1.50	6.00
SU4	SU4	3	173.84	229.96	5.00	450.00
TEMP	TEMP	3	15.17	8.40	6.00	22.50
ZN	ZN	3	0.27	0.43	0.01	1.00
TUC	TUC	3	91.33	61.83	43.00	161.00
PHEN	PHEN	3	0.00	0.00	0.00	0.01
CYAN	CYAN	0	.	.	.	.
ANJ	ANJ	3	2.00	1.41	0.00	4.50

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 196

LOC=NY54

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	2	0.10	0.00	0.10	0.10
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
HR	HR	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
M	M	0	.	.	.	.
CU	CU	4	0.08	0.05	0.02	0.10
V	V	2	0.10	0.00	0.10	0.10
HE	HE	0	.	.	.	.
UH	UH	2	0.10	0.00	0.10	0.10
CH	CH	2	0.10	0.00	0.10	0.10
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSF	TSF	0	.	.	.	.
MZ28	MZ28	0	.	.	.	.

LUC=MS61

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	690.00	.	690.00	690.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
FA	FA	1	0.50	.	0.50	0.50
MCUS	MCUS	1	590.00	.	590.00	590.00
ADU	ADU	1	150.00	.	150.00	150.00
B	B	1	0.80	.	0.80	0.80
FR	FR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	4.80	.	4.80	4.80
COJ	COJ	1	100.00	.	100.00	100.00
CL	CL	1	5.00	.	5.00	5.00
CR	CR	1	0.02	.	0.02	0.02
CUU	CUU	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	6.43	.	6.43	6.43
UUC	UUC	1	14.00	.	14.00	14.00
LAS	LAS	0	.	.	.	.
F	F	1	0.20	.	0.20	0.20
RAMU	RAMU	1	25.00	.	25.00	25.00
FE	FE	1	0.06	.	0.06	0.06
KJN	KJN	1	1.10	.	1.10	1.10
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.06	.	0.06	0.06
MG	MG	1	3.10	.	3.10	3.10
YN	YN	1	0.07	.	0.07	0.07
MG	MG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.01	.	0.01	0.01
VI	VI	1	0.02	.	0.02	0.02
NOJ	NOJ	1	0.50	.	0.50	0.50
ULGR	ULGR	1	10.00	.	10.00	10.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	5.00	.	5.00	5.00
AA	AA	1	3.00	.	3.00	3.00
TFH	TFH	1	12.00	.	12.00	12.00
RR	RR	0	.	.	.	.
DE	DE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
AA	AA	1	310.00	.	310.00	310.00
TUS	TUS	1	770.00	.	770.00	770.00
SULS	SULS	0	.	.	.	.
SPL	SPL	1	1090.00	.	1090.00	1090.00
SR	SR	1	2.00	.	2.00	2.00
SOH	SOH	1	34.00	.	34.00	34.00
TEMP	TEMP	1	20.00	.	20.00	20.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CTAN	CTAN	0	.	.	.	.
AMJ	AMJ	1	1.10	.	1.10	1.10

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=mgol

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSF	PSF	0	.	.	.	.
SLUC	SLUC	1	15.00	.	15.00	15.00
U	U	0	.	.	.	.
DUSS	DUSS	0	.	.	.	.
IN	IN	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SD	SD	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
KB	KB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
ISDF	ISDF	0	.	.	.	.
ACCB	ACCB	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 197
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LUC=NY62

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	220.00	.	220.00	220.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HCOJ	HCOJ	1	120.00	.	120.00	120.00
BOU	BOU	1	24.00	.	24.00	24.00
B	B	1	0.20	.	0.20	0.20
BR	BR	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	9.60	.	9.60	9.60
COJ	COJ	1	100.00	.	100.00	100.00
CL	CL	1	100.00	.	100.00	100.00
CK	CK	1	0.02	.	0.02	0.02
COD	COD	1	66.00	.	66.00	66.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	0	.	.	.	.
DOC	DOC	1	5.20	.	5.20	5.20
LAS	LAS	0	.	.	.	.
F	F	1	0.30	.	0.30	0.30
HARD	HARD	1	250.00	.	250.00	250.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	1.10	.	1.10	1.10
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.07	.	0.07	0.07
MG	MG	1	56.00	.	56.00	56.00
MN	MN	1	0.05	.	0.05	0.05
MG	MG	1	0.02	.	0.02	0.02
MULY	MULY	1	0.09	.	0.09	0.09
NI	NI	1	0.02	.	0.02	0.02
NOJ	NOJ	1	260.00	.	260.00	260.00
ULOR	ULOR	1	11.00	.	11.00	11.00
SZUJ	SZUJ	0	.	.	.	.
PH	PH	0	.	.	.	.
K	K	1	1.20	.	1.20	1.20
RA	RA	1	4.50	.	4.50	4.50
BTM	BTM	1	2.00	.	2.00	2.00
HR	HR	0	.	.	.	.
SE	SE	1	0.24	.	0.24	0.24
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	160.00	.	160.00	160.00
TUS	TUS	1	850.00	.	850.00	850.00
SULJ	SULJ	0	.	.	.	.
SPC	SPC	0	.	.	.	.
SM	SM	1	0.90	.	0.90	0.90
SU4	SU4	1	290.00	.	290.00	290.00
TEMP	TEMP	0	.	.	.	.
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.01	.	0.01	0.01
CYAN	CYAN	0
NHJ	NHJ	1	0.03	.	0.03	0.03

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WT62

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SD	SD	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
HB	HB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	1	0.02	0.02	0.02	0.02
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
K22B	K22B	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 199
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LUC=WT80

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	1350.00	.	1350.00	1350.00
AL	AL	1	0.60	.	0.60	0.60
ARS	ARS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	1	.	.	.	.
BA	BA	1	2.00	.	2.00	2.00
HC03	HC03	1	1310.00	.	1310.00	1310.00
S00	S00	1	8.00	.	8.00	8.00
B	B	1	0.91	.	0.91	0.91
BK	BK	1	.	.	.	.
ICOLIF	ICOLIF	1	.	.	.	.
CU	CU	1	0.02	.	0.02	0.02
CA	CA	1	4.00	.	4.00	4.00
COJ	COJ	1	42.00	.	42.00	42.00
CL	CL	1	6.00	.	6.00	6.00
CR	CR	1	0.02	.	0.02	0.02
CUD	CUD	1	140.00	.	140.00	140.00
CU	CU	1	0.03	.	0.03	0.03
DU	DU	1	4.10	.	4.10	4.10
DUC	DUC	1	0.10	.	0.10	0.10
LAS	LAS	1	.	.	.	.
F	F	1	23.00	.	23.00	23.00
HARD	HARD	1	26.00	.	26.00	26.00
FE	FE	1	0.50	.	0.50	0.50
KJN	KJN	1	0.84	.	0.84	0.84
PH	PH	1	0.10	.	0.10	0.10
LI	LI	1	0.06	.	0.06	0.06
MG	MG	1	2.80	.	2.80	2.80
MN	MN	1	0.03	.	0.03	0.03
MG	MG	1	.	.	.	.
MULY	MULY	1	0.02	.	0.02	0.02
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	1.80	.	1.80	1.80
OLGH	OLGH	1	15.00	.	15.00	15.00
S203	S203	1	0.10	.	0.10	0.10
PH	PH	1	8.30	.	8.30	8.30
K	K	1	1.60	.	1.60	1.60
RA	RA	1	.	.	.	.
RTK	RTK	1	.	.	.	.
RR	RR	1	.	.	.	.
SE	SE	1	.	.	.	.
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	524.00	.	524.00	524.00
TDS	TDS	1	0.10	.	0.10	0.10
SOLS	SOLS	1	1210.00	.	1210.00	1210.00
SPC	SPC	1	1800.00	.	1800.00	1800.00
SM	SM	1	2.70	.	2.70	2.70
S04	S04	1	16.00	.	16.00	16.00
TEMP	TEMP	1	20.00	.	20.00	20.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	1	0.10	.	0.10	0.10
PHEN	PHEN	1	.	.	.	.
CYAN	CYAN	1	.	.	.	.
NH3	NH3	1	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 200

LOC=NY80

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	1	0.10	.	0.10	0.10
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SR	SR	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
RD	RD	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	1	0.10	0.10	0.10	0.10
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R22B	R22B	0	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 201

LOC=NY61

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	820.50	396.47	13.00	1000.00
AL	AL	6	0.18	0.13	0.02	0.40
AMS	AMS	6	0.02	0.00	0.02	0.02
FCOLIF	FCOLIF	1	1.00	1.41	1.00	1.00
BA	BA	6	1.95	361.06	0.50	3.90
MCU3	MCU3	6	735.50	63.54	13.00	960.00
RUD	RUD	6	36.46	0.12	5.30	150.00
B	B	6	0.78	0.00	0.70	1.00
BK	BK	6	0.10	0.00	0.10	0.10
TCOLIF	TCOLIF	2	1.00	0.00	1.00	1.00
CD	CD	3	0.02	0.00	0.02	0.02
CA	CA	6	4.88	1.02	3.90	6.20
CU3	CU3	6	91.83	84.74	1.00	240.00
CL	CL	6	5.38	2.44	1.80	8.00
CR	CR	6	0.03	0.03	0.02	0.10
CUU	CUU	6	24.02	20.42	2.10	50.00
CU	CU	6	0.05	0.07	0.02	0.20
DU	DU	3	3.05	1.48	2.00	4.74
DUC	DUC	3	3.00	3.61	0.10	8.90
LAS	LAS	2	0.04	0.01	0.04	0.05
F	F	6	23.17	0.98	22.00	24.00
MARKD	MARKD	6	34.33	17.13	20.00	60.00
FE	FE	6	0.99	1.97	0.02	5.00
KJN	KJN	6	1.62	0.92	0.80	3.00
PH	PH	6	0.04	0.03	0.02	0.10
LI	LI	6	0.07	0.02	0.05	0.10
MG	MG	6	2.68	0.47	2.00	3.20
MN	MN	6	0.05	0.07	0.02	0.20
HG	HG	6	0.01	0.01	0.00	0.02
MULY	MULY	6	0.07	0.11	0.01	0.30
NI	NI	6	0.03	0.03	0.02	0.10
NO3	NO3	6	0.90	1.53	0.10	4.00
ULGH	ULGH	6	12.00	6.03	4.00	21.00
SCU3	SCU3	3	4.03	6.05	0.10	11.00
PH	PH	4	1.60	1.92	7.80	9.11
K	K	6	3.46	2.88	0.10	5.40
HA	HA	6	5.60	3.58	0.30	7.00
dTH	dTH	5	0.02	0.01	1.00	9.00
MR	MR	6	0.02	0.01	0.02	0.02
SE	SE	6	0.01	0.01	0.01	0.02
AG	AG	6	820.00	776.48	420.00	2400.00
NA	NA	6	660.04	602.44	0.10	1100.00
TUS	TUS	6	1100.00	141.42	1000.00	1200.00
SULS	SULS	6	1982.50	265.54	1500.00	2800.00
SPC	SPC	4	2.30	0.67	1.20	3.00
SM	SM	6	15.42	24.78	5.00	66.00
SU4	SU4	6	12.88	3.84	8.50	17.00
TEMP	TEMP	4	0.03	0.03	0.02	0.10
ZN	ZN	6	64.00	82.66	1.00	161.00
TUC	TUC	3	0.01	0.02	0.00	0.04
PHEN	PHEN	6	0.01	0.02	0.00	0.04
CYAN	CYAN	6	1.20	0.28	0.00	1.70
NH3	NH3	6	0.02	0.01	0.00	0.04

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=MYB1

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	1	0.09	.	0.09	0.09
SI02	SI02	4	6.05	6.92	0.10	13.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	3	0.07	0.05	0.02	0.10
V	V	2	0.10	0.00	0.10	0.10
BE	BE	0	.	.	.	.
OH	OH	2	0.10	0.00	0.10	0.10
CH	CH	2	0.10	0.00	0.10	0.10
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TUMB	TUMB	0	.	.	.	.
FF	FF	0	.	.	.	.
ISSF	ISSF	0	.	.	.	.
H2ZB	H2ZB	0	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 93

LOC=691

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
FALK	FALK	1	1300.00	.	1300.00	1300.00
AL	AL	1	0.10	0.10	0.10	0.10
ARS	ARS	1	0.02	0.02	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
HA	HA	1	0.50	0.50	0.50	0.50
HCUJ	HCUJ	1	1200.00	1200.00	1200.00	1200.00
HOD	HOD	1	150.00	150.00	150.00	150.00
B	B	1	3.70	3.70	3.70	3.70
IR	IR	1	0.10	0.10	0.10	0.10
FCOLIF	FCOLIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	5.80	5.80	5.80	5.80
CUJ	CUJ	1	92.00	92.00	92.00	92.00
CL	CL	1	69.00	69.00	69.00	69.00
CR	CR	1	0.02	0.02	0.02	0.02
CUU	CUU	1	50.00	50.00	50.00	50.00
CU	CU	1	0.02	0.02	0.02	0.02
UU	UU	1	5.50	5.50	5.50	5.50
UUC	UUC	1	38.00	38.00	38.00	38.00
LAS	LAS	0	.	.	.	.
F	F	1	24.00	24.00	24.00	24.00
FIARD	FIARD	1	26.00	26.00	26.00	26.00
FE	FE	1	0.04	0.04	0.04	0.04
KUN	KUN	1	3.40	3.40	3.40	3.40
PH	PH	1	0.02	0.02	0.02	0.02
LI	LI	1	0.60	0.60	0.60	0.60
MG	MG	1	3.00	3.00	3.00	3.00
MM	MM	1	0.06	0.06	0.06	0.06
MG	MG	1	0.00	0.00	0.00	0.00
MULY	MULY	1	0.03	0.03	0.03	0.03
NI	NI	1	0.03	0.03	0.03	0.03
NOJ	NOJ	1	0.50	0.50	0.50	0.50
ULGR	ULGR	1	10.00	10.00	10.00	10.00
SZUJ	SZUJ	0	.	.	.	.
PH	PH	1	8.40	8.40	8.40	8.40
K	K	1	11.00	11.00	11.00	11.00
MA	MA	1	5.00	5.00	5.00	5.00
ATH	ATH	1	0.01	0.01	0.01	0.01
MM	MM	0	.	.	.	.
SE	SE	1	0.01	0.01	0.01	0.01
AG	AG	1	0.01	0.01	0.01	0.01
NA	NA	1	680.00	680.00	680.00	680.00
TUS	TUS	1	1600.00	1600.00	1600.00	1600.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	2600.00	2600.00	2600.00	2600.00
SM	SM	1	1.40	1.40	1.40	1.40
SU4	SU4	1	7.00	7.00	7.00	7.00
TEMP	TEMP	1	24.00	24.00	24.00	24.00
ZN	ZN	1	0.02	0.02	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	0.00	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	1	3.20	3.20	3.20	3.20

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=4391

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	U	.	.	.	.
SI02	SI02	I	15.00	.	15.00	15.00
U	U	U	.	.	.	.
SUS5	SUS5	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
FI	FI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
UM	UM	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	I	0.10	.	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
KZ2B	KZ2B	U

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 203
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LUC=MY91

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	1576.67	1062.09	790.00	2600.00
AL	AL	3	0.10	0.00	0.10	0.10
ARS	ARS	3	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	.	1.00	1.00
BA	BA	3	1.97	1.15	0.80	3.10
HC03	HC03	3	1473.33	994.05	720.00	2600.00
B00	B00	3	9.37	14.41	0.70	26.00
B	B	3	13.13	15.07	1.00	30.00
BR	BR	3	0.10	0.00	0.10	0.10
TCOLIF	TCOLIF	1	1.00	.	1.00	1.00
CD	CD	1	0.02	.	0.02	0.02
CA	CA	3	5.70	1.06	4.90	6.90
CU3	CU3	3	136.67	70.24	70.00	210.00
CL	CL	3	245.53	393.73	7.60	700.00
CR	CR	3	0.02	0.00	0.02	0.02
CUD	CUD	3	19.00	18.73	4.00	40.00
CU	CU	3	0.02	0.00	0.02	0.02
DU	DU	1	2.60	.	2.60	2.60
DUC	DUC	1	14.00	.	14.00	14.00
LAS	LAS	1	0.05	.	0.05	0.05
F	F	3	21.33	0.58	21.00	22.00
HARD	HARD	3	43.33	31.90	22.00	80.00
FE	FE	3	0.20	0.26	0.02	0.50
KJN	KJN	3	7.53	7.68	1.00	16.00
PH	PH	3	0.03	0.02	0.02	0.05
LI	LI	3	2.13	2.25	0.20	4.60
MG	MG	3	3.37	0.78	2.50	4.00
MN	MN	3	0.06	0.04	0.03	0.10
HG	HG	3	0.01	0.01	0.00	0.02
MULY	MULY	3	0.02	0.01	0.02	0.03
NI	NI	3	0.02	0.00	0.02	0.02
NO3	NO3	3	7.50	6.14	0.50	12.00
ULGH	ULGH	3	10.33	4.34	5.00	20.00
S203	S203	1	2.00	.	2.00	2.00
PH	PH	1	7.57	7.34	7.30	7.30
K	K	3	7.30	.	7.30	16.00
RA	RA	1	1.00	.	1.00	7.30
BTN	BTN	1	1.00	.	1.00	1.00
RM	RM	0	.	.	.	.
SE	SE	2	0.16	0.20	0.02	0.30
AG	AG	3	0.01	0.01	0.01	0.02
NA	NA	3	870.00	564.54	410.00	1500.00
TDS	TDS	2	2910.00	1682.91	1720.00	4100.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	7190.00	.	7190.00	7190.00
SM	SM	3	1.77	0.42	1.30	2.10
S04	S04	3	5.33	0.56	5.00	6.00
TEMP	TEMP	1	21.00	.	21.00	21.00
ZN	ZN	3	0.03	0.01	0.02	0.04
TUC	TUC	1	32.00	.	32.00	32.00
PHEN	PHEN	3	0.01	0.01	0.00	0.01
CYAN	CYAN	0	.	.	.	.
NH3	NH3	3	7.23	6.93	1.70	15.00

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 204

LOC=NY91

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
S102	S102	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
M	M	0	.	.	.	.
CU	CU	2	0.06	0.06	0.02	0.10
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TUHB	TUHB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R22B	R22B	0	.	.	.	.

IMPOUNDMENTS/
LAND APPLICATION/
REINJECTION/DISCHARGE

2.2.2.6 Impoundments/Land Application/Reinjection/Discharge

Water samples were taken at A/R discharge (WN40), two pond seepage wells (WW13 and WW22), and the shale pile seepage well (WW32) in June through December 1982. Samples taken weekly were analyzed for parameters reported in Table 2.2.2.6-1. Monthly samples were analyzed for additional parameters reported in Table 2.2.2.6-2. These two sampling frequencies are required by the NPDES permit. During the interim period, quarterly water samples for field and lab analyses are required by the Oil Shale Office. These samples vary slightly from semiannual samples required during C-b Tract's development phase. Parameters analyzed are total alkalinity, Al, ammonia, As, Ba, HCO₃, CO₃, BR, hardness, Na, Mg, Ca, Mo, NO₃, oil and grease, phenols, K, R, total dissolved solids, Sr, SO₄, Cl, COD, Cr, Cu, SiO₂, cyanide, Hg, Se, Ag, Zn, Pb, Li, Mn, Fe, F, DOC, suspended solids, Co and V. Results of two samples taken in July and October 1982 are reported in Table 2.2.2.6-3. Field samples of pH, specific conductance, and temperature were taken when water samples were collected for quarterly analyses. See Table 2.2.2.6-4.

Water samples collected at the three seepage monitoring wells were analyzed for the same parameters listed above, excluding DOC, suspended solids, Co and V. Field and lab analyses results are reported in Tables 2.2.2.6-5 and 2.2.2.6-6.

Included in this section are tables of statistics using water analyses results for various stations since sampling began during the developmental period of the C-b Tract. Table 2.2.2.6-7 presents a cross reference list of stations reporting analyses in this subsection. The mean, standard deviation, minimum and maximum values, and number of samples used are presented within these tables. Table 2.2.2-1 lists the units measured for parameters analyzed in these tables. Minimum and maximum values appearing in these tables can be referenced for the sample date in the Water Quality Assurance Section 2.2.4. Data tables are presented for water samples taken since Baseline, November 1974 through December 1982. Refer to the list of tables in the Assurance section to find a specific water type.

TABLE 2.2.2.6-1

CB-TRACT
NPDES WATER QUALITY SAMPLES
WEEKLY ANALYSIS

LOC	YR	MO	DAY	LAB TOTAL SOLIDS (MG/L)	DISSOLVED SOLIDS (MG/L)	TOTAL F (MG/L)	TOTAL B (MG/L)	AMMONIA AS N (MG/L)	TOTAL PHENOL (MG/L)	AL (MG/L)	TOTAL FE (MG/L)	OIL AND GREASE (MG/L)
WN40	82	7	15	-10.0	1300.0	23.00	.80	-.04		-.5	.20	-10
		22		-10.0	1400.0	26.00	.10	-.40	.002	-.5	.09	-10
		29		13.0	1300.0	22.00	.10	-.04	.002	-.5	.20	-10
	8	5		-10.0	1300.0	22.00	.70	-.04	.003	-.1	-.02	-10
		12		-10.0	1200.0		.80	-.04	.004	-.1	-.02	-10
		19		-10.0	1300.0		.90	-.04	.003	-.1	-.02	-10
		26		-10.0	1300.0	21.00	.80	-.10	-.030	-.1	-.02	11
	9	2		-10.0	1200.0		.80	-.30	-.040	-.1	.02	-10
		9		-10.0	1300.0	20.00	.90	-.30	-.040	-.1	-.02	-10
		16		-10.0	1300.0	20.00	.90	-.30	-.040	-.1	.05	-10
		23		-10.0	140.0	21.00	.90	-.30	-.040	-.1	-.02	-10
		30		-10.0	1400.0	19.00	.50	-.30	-.040	-.1	-.02	-1
	10	7										
		13		-10.0	1400.0	21.00	.90	-.30	-.040	-.1	.06	14
		14										
		21		10.0	1300.0	20.00	.90	-.20	.005	-.1	.05	-10
		28		-10.0	1200.0	20.00	.70	.20	-.005	-.1	.04	-10
	11	4		-10.0	1400.0	21.00	1.10	.20	-.005	-.1	.05	-10
		11		-10.0	1300.0	20.00	1.00	.20	-.001	-.1	.06	-10
		18		-10.0	1300.0	21.00	1.00	.20	-.001	-.1	.02	-10
		23		-10.0	1600.0	22.00	.90	.20	-.010	-.1	.07	-10
	12	2		-10.0	1400.0	23.00	.90	.20	-.001	-.1	.02	-10
		9		-10.0	1400.0	23.00	1.00	.20	-.001	-.1	-.02	-10
		15		-10.0	1400.0	23.00	.60	.20	-.001	-.1	.08	-10
		22		-10.0	1400.0	23.00	.70	-.04	-.001	-.1	-.02	-10
		29		-10.0	1300.0	23.00	.50	-.04	-.001	-.1	-.02	-10
WN41	82	7	8									

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-2

CB-TRACT
NPDES WATER QUALITY SAMPLES
MONTHLY ANALYSIS

LUC	YR	MO	TOTAL CD (MG/L)	TOTAL CU (MG/L)	TOTAL HG (MG/L)	TOTAL AG (MG/L)	TOTAL ZN (MG/L)
---	--	--	-----	-----	-----	-----	-----
WN40	82	7					
		8	-.01	-.02	-.00020	-.01	-.02
		9	-.01	-.02	-.00020		-.02
		10					
		11	-.01	-.02	-.00020	-.01	-.02
		12	-.01	-.02	.00020	-.01	-.02
WN41	82	7					
		8					
		9					
		10					
		11					
		12					
WN42	82	7					
		8					
		9					
		10					
		11					
		12					
WU02	82	7					
		8					
		9					
		10					
		11					
		12					

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	TOTAL ALK (MG/L)		AL (MG/L)	AMMONIA AS N (MG/L)		AS (MG/L)	BA (MG/L)	HCO3 (MG/L)		CO3 (MG/L)		BR (MG/L)	HARDNESS (MG/L)		NA (MG/L)	MG (MG/L)	CA (MG/L)
			MO	CAC03		AS N	AS			HCO3	CAC03	CO3	CAC03						
W40	82	7	1400.0		-0.500	-0.040	-0.020	.33	950.0	450.0	-0.100	230.0	540.0	4.3	5.2				
		10	1500.0		-0.100	-0.300	-0.020	-0.50	1300.0	200.0	-0.100	35.0	590.0	4.8	6.1				

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	OIL AND GREASE		NO ₃	TOTAL DISS		B	K	PHENOLS	SR	SO ₄	CL	CUD	CR	CU
			MO	MG/L	MG/L	MG/L	SOLIDS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WN40	82	7	-.020	1.00	-10.0	.0020	1.3	.50	1.3	1.0	1.0	-5.0	8.0	-50.0	-.020	-.020
		10	-.010	.60	-10.0	-.0400	2.4	.70	2.4	1.2	1.2	-5.0	9.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WN40	82	7	14.0	.007			-.00020	-.020		.020	-.010	.04	-.020	.03	22.00
		10	-1.0				-.00020	.010	-.010		.050	-.05	-.020	-.02	19.00

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
82	7					-1.0						-10.0		
82	10					4.0								

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-3 (Contd)

CB-TRACT														
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES														
NPDES DISCHARGE														
WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY		MO-ALKALINITY		SCN (MG/L)	TURBIDITY (MG/L)	TOTAL		RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
					(MG/L)	CAC03)	(MG/L)	CAC03)			ALPHA (PCI/L)	BETA (PCI/L)		
WELL	YR	MO												
WN40	82	7												
		10												

TABLE 2-2.2.6-4

CB-TRACT									
QUARTER AND SEMI-ANNUAL FIELD MEASUREMENTS									
NPDES DISCHARGE									
WELL	YR	MO	PH	PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
----	---	--	---	-----	-----	-----	-----	-----	-----
WN40	82	7	8.8	---	2030.0	19.5	---	---	---
		10	8.8	---	2030.0	12.5	---	---	---

TABLE 2.2.2.6-5

CB-TRACT
 QUARTER FIELD MEASUREMENTS
 POND SEEPAGE MONITORING WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
WW13	82	6	7.5	1420.0	
		8	7.6	2280.0	13.0
WW22	82	6	7.5	1050.0	
		8	8.4	2960.0	11.0
		9	7.4	1390.0	11.0
		10	7.3	2330.0	11.0
		11	7.4	2400.0	11.0
		12	7.5	2200.0	11.0
WW32	82	6	7.2	1010.0	
		9	8.2	2360.0	9.5

TABLE 2.2.2.6-6

CB-TRACI
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	DATE	TOTAL ALK		AMMONIA		AS	HA	HCO ₃		BK	HARDNESS		NA	MG	CA
				(MG/L)	(MG/L)	AS N	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
W13	82	6	8	520.0	-0.100	.300	-0.020	-0.50	480.0	30.0			540.0		230.0	94.0	61.0
W22	82	6	8	46.0	-0.100	14.000	-0.020	-0.50	44.0	2.0			700.0		250.0	80.0	150.0
			9														
			10														
			11														
			12														
W32	82	6	9	380.0	-0.100	.700	-0.020	-0.50	370.0	2.0		.300	390.0		130.0	50.0	75.0

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-6 (Contd)

CH-TRACI
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MU	OIL AND GREASE		PHENOLS	K	B	TOTAL DISS		SU ⁴	CL	CU ²	CH	CU
			MU	NO ₃	(MG/L)	(MG/L)	(MG/L)	SOLIDS	(MG/L)					
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WW13	82	6	-0.010	-0.50	-10.0	.0020	4.0	-0.10	1200.0	-0.5	430.0	7.9	-50.0	-0.020
		8												
WW22	82	6	-0.010	-0.50	-1.0	.0700	41.0	-0.10	1800.0	-0.5	1200.0	36.0	710.0	-0.020
		8												
		9												
		10												
		11												
		12												
WW32	82	6	-0.010	21.00	-10.0	-0.0010	1.8	-0.10	810.0	-0.5	250.0	47.0	-50.0	-0.020
		9												

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-6 (Contd)

CH-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WM13	82	6				.40	-.00020	-.010	-.010	-.020	.020	.05	4.600	.13	.20
		8													
WM22	82	6				27.00	-.00020	-.010	-.010	-.020	.020	.20	.200	3.00	.70
		8													
		9													
		10													
		11													
		12													
WM32	82	6	20.0	-.0005			-.00020	.010		.030	-.020	-.05	-.020	-.02	.10
		9													

NOTE: - INDICATES LESS THAN

TABLE 2.2.2.6-7

Five Year Statistical Analysis
Discharge, ReInjection and Seepage

<u>Computer Code</u>	<u>Location</u>	<u>Page No.</u>
WN03	Pond C	I-622
WN40	Pond A-B Discharge	I-624
WQ01	Mine Water Above LeClaire Filter	I-626
WQ02	Mine Water Below LeClaire Filter	I-628
WQ03	Reinjection Point	I-630
WI17	Reinjection Well 24X-17	I-632
WI18	Reinjection Well 11X-18	I-634
WI19	Reinjection Well 22X-17	I-636
WW12	Seepage Monitoring Well 31X-12	I-638
WW13	Seepage Monitoring Well 41X-13-2	I-640
WW22 (Recompleted)	Seepage Monitoring Well 31X-12	I-642
WW32	Seepage Monitoring Well 32Y-12	I-644

LUC=WN03

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	1030.67	109.70	910.00	1100.00
AL	AL	0	.	.	.	.
AMS	AMS	0	.	.	.	.
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	0	.	.	.	.
HC03	HC03	3	763.33	73.71	680.00	820.00
HUD	HUD	0	.	.	.	.
H	H	3	0.80	0.10	0.70	0.90
GR	GR	0	.	.	.	.
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	3	7.07	0.64	6.70	7.80
CU3	CU3	3	287.33	177.88	92.00	440.00
CL	CL	3	27.83	33.93	7.00	67.00
CR	CR	0	.	.	.	.
CUU	CUU	0	.	.	.	.
CU	CU	0	.	.	.	.
DU	DU	0	.	.	.	.
DOC	DOC	3	7.14	1.13	5.98	8.24
LAS	LAS	0	.	.	.	.
F	F	3	19.00	0.00	19.00	19.00
HAHU	HAHU	0	.	.	.	.
FE	FE	0	.	.	.	.
KUN	KUN	0	.	.	.	.
PR	PR	0	.	.	.	.
LI	LI	0	.	.	.	.
MG	MG	3	5.20	0.10	5.10	5.30
MM	MM	0	.	.	.	.
MG	MG	0	.	.	.	.
MULY	MULY	0	.	.	.	.
NI	NI	0	.	.	.	.
NO3	NO3	3	3.53	0.06	3.50	3.60
ULOR	ULOR	0	.	.	.	.
SZ03	SZ03	0	.	.	.	.
PH	PH	3	.	.	7.94	8.90
K	K	3	5.23	1.79	3.70	7.20
RA	RA	0	.	.	.	.
BIT	BIT	0	.	.	.	.
RR	RR	0	.	.	.	.
SE	SE	0	.	.	.	.
AG	AG	0	.	.	.	.
NA	NA	3	553.33	30.55	520.00	580.00
TUS	TUS	3	1300.00	0.00	1300.00	1300.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	3	1936.67	45.09	1890.00	1980.00
SH	SH	0	.	.	.	.
SU4	SU4	3	116.67	132.93	34.00	270.00
TEMP	TEMP	2	21.50	0.71	21.00	22.00
ZN	ZN	0	.	.	.	.
TUC	TUC	0	.	.	.	.
PHEN	PHEN	0	.	.	.	.
CYAN	CYAN	0	.	.	.	.
NN3	NN3	3	0.43	0.15	0.30	0.60

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=WN03

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0
SI02	SI02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SD	SD	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
KD	KD	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UM	UM	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
ISSF	ISSF	0	.	.	.	.
KZ28	KZ28	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (JULY 1979 TO SEPTEMBER 1982)

Location - WN40

<u>Variable</u>	<u>Units</u>	<u>N</u>	<u>Mean</u>	<u>Standard Deviation</u>	<u>Minimum Value</u>	<u>Maximum Value</u>
Total Suspended Solids	mg/l	139	32.40	52.00	1.00	330.00
Total Dissolved Solids	mg/l	139	1247.05	335.21	140.00	3800.00
Fluoride	mg/l	136	14.76	7.01	1.10	26.00
Boron	mg/l	136	.55	.30	.07	1.10
Ammonia	mg/l	136	1.16	.87	.04	5.80
Phenol	mg/l	137	.01	.01	.00	.05
Aluminum	mg/l	140	.61	1.23	.10	11.00
Iron	mg/l	140	.38	.61	.02	4.00
Oil and Grease	mg/l	138	5.69	4.61	1.00	27.00
pH	Unit	133			6.20	9.40
Cadmium	mg/l	31	.01	.00	.01	.02
Copper	mg/l	31	.02	.01	.01	.04
Mercury	mg/l	32	.00	.00	.00	.00
Silver	mg/l	26	.01	.00	.01	.01
Zinc	mg/l	29	.50	.07	.01	.40
SPC	mhos	98	1975.35	236.34	1200.00	2560.00
pH	mg/l	69	7.15	.74	5.70	9.10
Temperature	Degree C	98	16.98	4.13	6.00	24.00

3 YEAR STATISTICS FOR WATER PERIOD (JULY 1979 TO SEPTEMBER 1982)

Location - WN40

Variable	Units	N	Mean	Standard Deviation	Minimum Value	Maximum Value
Total Suspended Solids	mg/l	139	32.40	52.00	1.00	330.00
Total Dissolved Solids	mg/l	139	1247.05	335.21	140.00	3800.00
Fluoride	mg/l	136	14.76	7.01	1.10	26.00
Boron	mg/l	136	.55	.30	.07	1.10
Ammonia	mg/l	136	1.16	.87	.04	5.80
Phenol	mg/l	137	.01	.01	.00	.05
Aluminum	mg/l	140	.61	1.23	.10	11.00
Iron	mg/l	140	.38	.61	.02	4.00
Oil and Grease	mg/l	138	5.69	4.61	1.00	27.00
pH	Unit	133			6.20	9.40
Cadmium	mg/l	31	.01	.00	.01	.02
Copper	mg/l	31	.02	.01	.01	.04
Mercury	mg/l	32	.00	.00	.00	.00
Silver	mg/l	26	.01	.00	.01	.01
Zinc	mg/l	29	.50	.07	.01	.40
SPC	mhos	98	1975.35	236.34	1200.00	2560.00
DO	mg/l	69	7.15	.74	5.70	9.10
Temperature	Degree C	98	16.98	4.13	6.00	24.00

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUCWJ001

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	6	936.67	218.60	510.00	1100.00
AL	AL	0	.	.	.	.
AMS	AMS	0	.	.	.	.
FCULIF	FCULIF	0	.	.	.	.
BA	BA	0	.	.	.	.
MCUJ	MCUJ	0	778.33	234.96	420.00	1000.00
BUD	BUD	0	.	.	.	.
B	B	3	0.57	0.06	0.50	0.60
BR	BR	0	.	.	.	.
ICULIF	ICULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	3	7.67	1.72	6.10	9.50
CUJ	CUJ	0	136.33	151.90	1.00	400.00
CL	CL	0	7.93	2.65	4.00	11.00
CK	CK	0	.	.	.	.
CUD	CUD	0	.	.	.	.
CU	CU	0	.	.	.	.
DU	DU	3	7.50	1.35	6.00	8.60
DUC	DUC	0	.	.	.	.
LAS	LAS	0	.	.	.	.
F	F	0	19.00	3.63	12.00	22.00
HARD	HARD	0	.	.	.	.
FE	FE	3	0.02	0.00	0.02	0.02
KJN	KJN	0	.	.	.	.
PD	PD	0	.	.	.	.
LI	LI	0	.	.	.	.
MG	MG	3	4.90	0.40	4.50	5.50
MN	MN	1	4.40	.	4.40	4.40
MO	MO	0	.	.	.	.
MULY	MULY	0	.	.	.	.
NI	NI	0	.	.	.	.
NUJ	NUJ	3	0.67	0.35	0.50	1.20
ULGH	ULGH	0	.	.	.	.
SCUJ	SCUJ	0	.	.	.	.
PH	PH	4	14.50	23.00	0.10	9.00
K	K	4	.	.	2.70	49.00
HA	HA	0	.	.	.	.
dFH	dFH	0	.	.	.	.
HR	HR	0	.	.	.	.
SE	SE	0	.	.	.	.
AG	AG	0	.	.	.	.
NA	NA	0	578.33	20.41	550.00	610.00
TUS	TUS	0	1326.67	261.90	760.00	1500.00
SULS	SULS	0	.	.	.	.
SPC	SPC	3	1943.33	32.15	1920.00	1980.00
SK	SK	0	.	.	.	.
SU4	SU4	0	208.33	122.22	120.00	450.00
TEMP	TEMP	3	16.67	1.53	15.00	18.00
ZN	ZN	0	.	.	.	.
TUC	TUC	0	.	.	.	.
PHEN	PHEN	3	0.00	0.00	0.00	0.00
CYAN	CYAN	0	.	.	.	.
AMS	AMS	3	0.41	0.30	0.04	0.80

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 108

LOC=JUL

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SIUC	SIUC	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
PF	PF	1	16.80	.	16.80	16.80
TSSF	TSSF	2	7.65	0.21	7.50	7.80
MZEB	MZEB	0

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 109
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LUC=0002

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	953.33	40.41	910.00	990.00
AL	AL	0	.	.	.	.
ARS	ARS	0	.	.	.	.
FCULIF	FCULIF	0	.	.	.	.
BA	BA	0	.	.	.	.
HC03	HC03	3	740.00	165.23	580.00	910.00
B00	B00	0	.	.	.	.
B	B	0	.	.	.	.
BR	BR	0	.	.	.	.
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	0	.	.	.	.
CU3	CU3	3	215.33	159.95	76.00	390.00
CL	CL	3	10.23	2.40	8.70	13.00
CR	CR	0	.	.	.	.
CUU	CUU	0	.	.	.	.
CU	CU	0	.	.	.	.
UU	UU	3	7.57	1.50	5.90	8.80
UUC	UUC	0	.	.	.	.
LAS	LAS	0	.	.	.	.
F	F	3	16.67	0.58	18.00	19.00
RAMU	RAMU	0	.	.	.	.
FE	FE	3	0.02	0.00	0.02	0.02
KUN	KUN	0	.	.	.	.
PB	PB	0	.	.	.	.
LI	LI	0	.	.	.	.
AG	AG	3	4.97	0.51	4.40	5.40
MN	MN	0	.	.	.	.
MG	MG	0	.	.	.	.
MULY	MULY	0	.	.	.	.
NI	NI	0	.	.	.	.
NO3	NO3	0	.	.	.	.
ULGH	ULGH	0	.	.	.	.
SE03	SE03	0	.	.	.	.
PH	PH	3	49.00	.	7.87	9.00
K	K	1	.	.	49.00	49.00
KA	KA	0	.	.	.	.
HTH	HTH	0	.	.	.	.
KN	KN	0	.	.	.	.
SE	SE	0	.	.	.	.
AG	AG	0	.	.	.	.
NA	NA	3	558.67	11.55	550.00	570.00
TUS	TUS	3	1400.00	0.00	1400.00	1400.00
SULS	SULS	0	.	.	.	.
SPL	SPL	3	1953.33	15.28	1940.00	1970.00
SR	SR	0	.	.	.	.
S04	S04	3	200.00	40.00	180.00	240.00
TEMP	TEMP	3	16.67	1.53	15.00	18.00
ZH	ZH	0	.	.	.	.
TUC	TUC	0	.	.	.	.
PHEN	PHEN	3	0.00	0.00	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NH3	NH3	3	0.53	0.31	0.20	0.80

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 110

LOC=HQ02

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	U	.	.	.	.
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
Tr	Tr	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
Sb	Sb	U	.	.	.	.
ZR	ZR	U	.	.	.	.
Y	Y	U	.	.	.	.
HB	HB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
•	•	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TuRB	TuRB	U	.	.	.	.
FF	FF	1	19.10	.	19.10	19.10
TSST	TSST	3	2.90	1.90	0.80	4.50
HC2B	HC2B	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 111
 14:10 THURSDAY, JANUARY 13, 1983

LUC=0003

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	8	1002.50	88.60	870.00	1100.00
AL	AL	13	0.10	0.00	0.10	0.10
ARS	ARS	0	.	.	.	.
FCULIF	FCULIF	0	.	.	.	.
BA	BA	0	.	.	.	.
RCUJ	RCUJ	8	881.25	154.31	630.00	1100.00
BUU	BUU	0	.	.	.	.
Y	Y	13	0.73	0.09	0.60	0.90
TH	TH	0	.	.	.	.
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	3	6.63	0.87	5.90	7.60
COJ	COJ	8	108.63	108.70	1.00	340.00
CL	CL	3	8.54	2.02	4.00	11.00
CM	CM	0	.	.	.	.
CUU	CUU	0	.	.	.	.
CU	CU	0	.	.	.	.
DU	DU	19	7.14	0.81	5.69	8.60
DUC	DUC	0	.	.	.	.
LAS	LAS	0	.	.	.	.
F	F	23	19.65	1.53	18.00	25.00
HAMU	HAMU	0	.	.	.	.
FE	FE	23	0.02	0.01	0.02	0.05
KJN	KJN	0	.	.	.	.
PS	PS	0	.	.	.	.
LI	LI	0	.	.	.	.
MG	MG	8	4.70	0.50	3.90	5.40
MN	MN	0	.	.	.	.
MS	MS	1	0.00	.	0.00	0.00
MULY	MULY	0	.	.	.	.
NI	NI	0	.	.	.	.
NOJ	NOJ	0	.	.	.	.
ULOR	ULOR	14	4.79	3.40	1.00	10.00
SEUJ	SEUJ	0	.	.	.	.
PH	PH	20	.	.	7.60	9.00
K	K	3	18.43	26.47	2.80	49.00
KA	KA	0	.	.	.	.
BTM	BTM	0	.	.	.	.
KK	KK	0	.	.	.	.
SE	SE	0	.	.	.	.
AG	AG	0	.	.	.	.
NA	NA	0	.	.	.	.
TUS	TUS	8	513.75	26.15	530.00	610.00
SULS	SULS	23	1365.22	93.46	1100.00	1500.00
SPC	SPC	0	.	.	.	.
SM	SM	20	1951.00	133.69	1780.00	2250.00
SM	SM	0	.	.	.	.
SM	SM	0	.	.	.	.
TEMP	TEMP	8	222.00	95.40	76.00	400.00
ZN	ZN	20	18.50	2.59	14.00	22.00
TUC	TUC	0	.	.	.	.
PHEN	PHEN	0	.	.	.	.
CYAN	CYAN	23	0.00	0.01	0.00	0.04
nmj	nmj	23	1.05	1.05	0.04	5.30

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WD03

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SIUC	SIUC	U	.	.	.	.
U	U	U	.	.	.	.
SIUC	SIUC	15	8.80	9.86	1.00	32.00
SIUC	SIUC	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SD	SD	U	.	.	.	.
ZR	ZR	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
IUNB	IUNB	U	.	.	.	.
FF	FF	+	18.70	0.34	18.30	19.50
TSF	TSF	14	1.74	0.84	0.70	3.10
RCZB	RCZB	U	.	.	.	.

LUC=117

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	630.00	.	630.00	630.00
AL	AL	1	0.10	.	0.10	0.10
AKS	AKS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HC03	HC03	1	410.00	.	410.00	410.00
BUD	BUD	1	150.00	.	150.00	150.00
B	B	1	0.60	.	0.60	0.60
BR	BR	1	0.10	.	0.10	0.10
FCULIF	FCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	4.50	.	4.50	4.50
CU3	CU3	1	220.00	.	220.00	220.00
CL	CL	1	6.30	.	6.30	6.30
CR	CR	1	0.02	.	0.02	0.02
CU0	CU0	1	50.00	.	50.00	50.00
CU	CU	1	0.02	.	0.02	0.02
UU	UU	0	.	.	.	.
UUC	UUC	1	29.00	.	29.00	29.00
LAS	LAS	0	.	.	.	.
F	F	1	20.00	.	20.00	20.00
THU	THU	1	22.00	.	22.00	22.00
FE	FE	1	0.07	.	0.07	0.07
KJN	KJN	1	1.10	.	1.10	1.10
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.07	.	0.07	0.07
MG	MG	1	2.60	.	2.60	2.60
MM	MM	1	0.02	.	0.02	0.02
MG	MG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.02	.	0.02	0.02
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
OLGR	OLGR	1	10.00	.	10.00	10.00
SC03	SC03	0	.	.	.	.
PH	PH	1	5.40	.	5.40	5.40
K	K	1	.	.	.	.
KA	KA	0	.	.	.	.
TH	TH	0	.	.	.	.
MM	MM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	290.00	.	290.00	290.00
TUS	TUS	1	730.00	.	730.00	730.00
SULS	SULS	0	.	.	.	.
SPC	SPC	1	1170.00	.	1170.00	1170.00
SM	SM	1	1.20	.	1.20	1.20
SO4	SO4	1	5.00	.	5.00	5.00
TEMP	TEMP	1	12.00	.	12.00	12.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.01	.	0.01	0.01
CYAN	CYAN	0
NH3	NH3	1	1.10	.	1.10	1.10

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 98

LOC=117

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	0	.	.	.	.
SI02	SI02	1	16.00	.	16.00	16.00
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZR	ZR	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
#	#	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
HE	HE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
RZ28	RZ28	0	.	.	.	.

LOC=118

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	3	440.00	356.30	430.00	1100.00
AL	AL	4	0.10	0.00	0.10	0.10
AMS	AMS	4	0.02	0.00	0.02	0.02
FCULIF	FCULIF	4	0.52	0.05	0.50	0.60
BA	BA	4	740.00	403.98	280.00	1100.00
MCUJ	MCUJ	3	35.00	26.87	16.00	54.00
BOU	BOU	2	0.67	0.41	0.30	1.20
B	B	4	0.10	0.00	0.10	0.10
HR	HR	4	0.10	0.00	0.10	0.10
ICULIF	ICULIF	4	0.10	0.00	0.10	0.10
CU	CU	4	0.10	0.00	0.10	0.10
CA	CA	4	5.02	0.79	4.30	6.10
CUJ	CUJ	3	75.20	69.95	11.00	130.00
CL	CL	3	11.50	12.81	2.50	34.00
CR	CR	4	0.02	0.00	0.02	0.02
CUD	CUD	4	31.25	23.60	1.00	50.00
CU	CU	4	0.06	0.09	0.02	0.20
DU	DU	4	0.06	0.09	0.02	0.20
DUC	DUC	4	2.00	1.15	1.00	3.00
LAS	LAS	4	2.00	1.15	1.00	3.00
F	F	3	19.60	3.97	15.00	25.00
MAKU	MAKU	3	34.00	50.84	23.00	130.00
FE	FE	3	0.02	0.01	0.02	0.03
KUN	KUN	2	0.70	0.14	0.60	0.80
PS	PS	4	0.03	0.01	0.02	0.05
LI	LI	4	0.05	0.00	0.05	0.05
MG	MG	3	3.70	0.82	2.80	4.40
YN	YN	4	0.02	0.00	0.02	0.03
MO	MO	4	0.00	0.00	0.00	0.00
MULY	MULY	4	0.01	0.01	0.01	0.03
NI	NI	2	0.02	0.00	0.02	0.02
NOJ	NOJ	4	1.07	0.80	0.50	2.20
ULGH	ULGH	4	7.25	3.40	3.00	10.00
SCUJ	SCUJ	4	0.00	0.00	0.00	0.00
PH	PH	4	0.00	0.00	0.00	0.00
K	K	4	2.00	0.98	1.50	3.50
RA	RA	4	2.25	1.50	1.00	4.00
BTH	BTH	4	5.00	2.94	2.00	8.00
RR	RR	4	0.01	0.00	0.01	0.01
SE	SE	4	0.01	0.00	0.01	0.01
AG	AG	4	0.01	0.00	0.01	0.01
NA	NA	4	446.00	219.13	210.00	650.00
TUS	TUS	3	1056.00	468.32	540.00	1400.00
SOLS	SOLS	3	1810.33	49.50	1761.00	1800.00
SPC	SPC	3	1.02	0.67	0.50	1.50
SH	SH	3	92.20	125.45	7.00	310.00
SO4	SO4	3	0.02	0.00	0.02	0.02
TEMP	TEMP	3	0.02	0.00	0.02	0.02
ZN	ZN	3	0.01	0.00	0.01	0.01
TOC	TOC	3	0.01	0.00	0.01	0.01
PHEN	PHEN	3	0.01	0.00	0.01	0.01
CYAN	CYAN	3	0.01	0.00	0.01	0.01
NH3	NH3	3	0.01	0.00	0.01	0.01

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 100

LOC=118

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
ST02	ST02	2	13.00	1.41	12.00	14.00
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
FM	FM	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	2	0.02	0.00	0.02	0.02
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	U	.	.	.	.
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
ISSF	ISSF	U	.	.	.	.
KZ28	KZ28	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 101

LUC=119

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	040.00	.	040.00	040.00
AL	AL	1	0.10	.	0.10	0.10
ANS	ANS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
MCUJ	MCUJ	1	500.00	.	500.00	500.00
BUD	BUD	1	150.00	.	150.00	150.00
B	B	1	0.60	.	0.60	0.60
BR	BR	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	5.80	.	5.80	5.80
COJ	COJ	1	140.00	.	140.00	140.00
CL	CL	1	6.90	.	6.90	6.90
CH	CH	1	0.02	.	0.02	0.02
CUU	CUU	1	24.00	.	24.00	24.00
CU	CU	1	0.03	.	0.03	0.03
DU	DU	0	.	.	.	.
DUC	DUC	1	4.00	.	4.00	4.00
LAS	LAS	0	.	.	.	.
F	F	1	14.00	.	14.00	14.00
HAHU	HAHU	1	27.00	.	27.00	27.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	1.40	.	1.40	1.40
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
HG	HG	1	3.10	.	3.10	3.10
MN	MN	1	0.02	.	0.02	0.02
HG	HG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.02	.	0.02	0.02
NI	NI	1	0.04	.	0.04	0.04
NOJ	NOJ	1	0.50	.	0.50	0.50
OLGH	OLGH	1	2.00	.	2.00	2.00
SZUJ	SZUJ	0	.	.	.	.
PH	PH	1	.	.	.	.
K	K	1	1.60	.	1.60	1.60
KA	KA	0	.	.	.	.
BTH	BTH	0	.	.	.	.
MR	MR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AS	AS	1	0.01	.	0.01	0.01
NA	NA	1	320.00	.	320.00	320.00
TUS	TUS	1	780.00	.	780.00	780.00
SULS	SULS	0	.	.	.	.
SHC	SHC	1	1420.00	.	1420.00	1420.00
SH	SH	1	0.70	.	0.70	0.70
SU4	SU4	1	5.00	.	5.00	5.00
TEMP	TEMP	0	.	.	.	.
ZN	ZN	1	0.03	.	0.03	0.03
TUC	TUC	0	.	.	.	.
PHEN	PHEN	1	0.00	.	0.00	0.00
CYAN	CYAN	0	.	.	.	.
NHJ	NHJ	1	1.00	.	1.00	1.00

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LOC=119

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U
SI02	SI02	1	13.00	.	13.00	13.00
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZH	ZH	U	.	.	.	.
Y	Y	U	.	.	.	.
RB	RB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CO	CO	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
UH	UH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSST	TSST	U	.	.	.	.
R226	R226	U	.	.	.	.

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=4412

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	18	206.00	189.59	90.00	600.00
AL	AL	16	0.11	0.03	0.10	0.20
AMS	AMS	16	0.02	0.00	0.02	0.02
FCULIF	FCULIF	1	1.00	0.00	1.00	1.00
BA	BA	16	0.50	0.00	0.50	0.50
MCUJ	MCUJ	18	129.56	217.42	1.00	600.00
BDU	BDU	18	22.78	17.16	1.00	76.00
B	B	15	0.11	0.04	0.10	0.20
BR	BR	16	0.12	0.08	0.10	0.40
ICULIF	ICULIF	1	1.00	0.00	1.00	1.00
CD	CD	5	0.02	0.00	0.02	0.02
CA	CA	17	27.71	30.41	11.00	100.00
CUJ	CUJ	18	64.78	34.48	1.00	100.00
CL	CL	18	132.94	315.80	13.00	1000.00
CH	CH	16	0.02	0.00	0.01	0.02
CUD	CUD	16	32.56	8.28	19.00	50.00
CU	CU	16	0.02	0.01	0.02	0.04
DU	DU	12	6.02	1.46	4.00	9.50
DOC	DOC	13	11.08	2.25	9.00	16.00
LAS	LAS	1	0.05	0.00	0.05	0.05
F	F	17	1.15	0.75	0.40	3.00
HARD	HARD	16	235.38	270.45	75.00	860.00
FE	FE	16	1.12	2.84	0.02	8.40
KJN	KJN	14	12.57	2.82	4.00	16.00
PR	PR	16	0.02	0.01	0.02	0.04
LI	LI	16	0.05	0.02	0.02	0.10
MG	MG	17	34.88	38.28	11.00	120.00
MN	MN	16	0.04	0.05	0.01	0.20
MS	MS	4	0.01	0.01	0.00	0.02
MULY	MULY	17	0.02	0.01	0.01	0.02
NI	NI	17	0.02	0.01	0.02	0.07
NOJ	NOJ	18	12.76	20.33	0.10	55.00
ULOH	ULOH	18	9.12	8.69	1.00	40.00
SEUJ	SEUJ	1	1.00	0.00	1.00	1.00
PH	PH	12	4.69	1.86	8.60	9.30
K	K	17	9.90	0.00	2.00	7.50
HA	HA	1	16.00	0.00	9.90	9.90
BTH	BTH	1	0.01	0.01	16.00	16.00
MM	MM	0	0.01	0.01	0.00	0.02
SE	SE	2	0.01	0.01	0.00	0.02
AG	AG	5	0.01	0.01	0.00	0.02
NA	NA	17	141.76	30.26	120.00	220.00
TDS	TDS	17	677.65	335.68	440.00	1500.00
SULS	SULS	0	0.00	0.00	0.00	0.00
SPC	SPC	12	804.17	67.21	700.00	940.00
SH	SH	16	2.48	3.38	0.50	11.00
SO4	SO4	16	318.33	117.34	200.00	600.00
TEMP	TEMP	12	15.13	4.33	10.00	21.50
ZN	ZN	16	0.09	0.17	0.01	0.50
TUC	TUC	1	63.00	0.00	63.00	63.00
PHEN	PHEN	16	0.02	0.03	0.00	0.12
CYAN	CYAN	0	0.00	0.00	0.00	0.00
NHJ	NHJ	16	8.47	4.77	0.20	14.00

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=WW12

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	1.00	.	.	.
ST02	ST02	1	1.00	.	1.00	1.00
U	U	0	.	.	.	.
SUSS	SUSS	0	134.67	159.23	18.00	340.00
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
RB	RB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
M	M	0	.	.	.	.
CU	CU	12	0.02	0.00	0.02	0.03
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	4	18.00	14.70	10.00	40.00
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
NZEB	NZEB	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

14:10 THURSDAY, JANUARY 13, 1983

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LUC=####

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	23	400.78	38.72	348.00	520.00
AL	AL	10	0.10	0.00	0.10	0.10
AMS	AMS	17	0.02	0.00	0.02	0.03
FCULIF	FCULIF	0	.	.	.	.
DA	DA	10	0.50	0.00	0.50	0.50
MCUJ	MCUJ	22	365.00	63.08	230.00	480.00
BOU	BOU	16	38.15	48.12	1.00	150.00
B	B	17	0.12	0.04	0.10	0.20
BR	BR	7	0.10	0.00	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CD	CD	2	0.01	0.00	0.01	0.01
CA	CA	23	46.49	24.99	5.70	85.00
CUJ	CUJ	22	37.91	45.29	1.00	140.00
CL	CL	23	17.01	16.99	0.00	81.00
CR	CR	10	0.02	0.00	0.02	0.02
COU	COU	16	19.44	26.91	1.00	100.00
CU	CU	10	0.02	0.00	0.01	0.02
DU	DU	19	4.44	1.82	2.77	8.00
DUC	DUC	22	14.30	24.43	1.00	90.00
LAS	LAS	0	.	.	.	.
F	F	17	0.15	0.10	0.10	0.50
HAHU	HAHU	12	453.33	143.36	280.00	850.00
FE	FE	17	0.12	0.24	0.02	0.90
KUN	KUN	23	3.47	9.22	0.10	45.00
PR	PR	10	0.02	0.01	0.02	0.05
LI	LI	10	0.05	0.00	0.05	0.06
MS	MS	23	72.04	8.58	63.00	96.00
YN	YN	17	0.43	1.08	0.04	4.60
HG	HG	4	0.01	0.01	0.00	0.02
MULY	MULY	16	0.06	0.05	0.01	0.20
NI	NI	16	0.03	0.02	0.02	0.08
NUJ	NUJ	23	9.85	20.91	0.10	89.00
ULGR	ULGR	16	4.88	4.35	1.00	14.00
SCUJ	SCUJ	0	.	.	.	.
PH	PH	21	3.41	1.57	7.00	8.71
K	K	23	29.00	.	1.70	9.20
HA	HA	1	30.00	.	29.00	29.00
BTM	BTM	1	.	.	30.00	30.00
RR	RR	0	.	.	.	.
SE	SE	4	0.01	0.01	0.00	0.02
AB	AB	0	0.01	0.00	0.01	0.02
NA	NA	23	195.22	18.55	170.00	230.00
TUS	TUS	23	457.39	103.14	670.00	1200.00
SULS	SULS	0	.	.	.	.
SPC	SPC	21	1340.00	159.69	800.00	1590.00
SH	SH	10	3.75	2.21	0.50	6.60
SUN	SUN	16	426.88	67.00	320.00	590.00
TEMP	TEMP	15	15.41	3.44	11.00	24.20
ZN	ZN	10	0.03	0.02	0.02	0.06
TUC	TUC	0	.	.	.	.
PHEN	PHEN	16	0.01	0.02	0.00	0.06
CYAN	CYAN	0	.	.	.	.
MMJ	MMJ	22	1.03	1.63	0.03	6.80

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	14	12.16	9.99	1.00	25.00
U	U	U	.	.	.	.
SUSS	SUSS	1	1366.00	.	1366.00	1366.00
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZM	ZM	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
#	#	U	.	.	.	.
CU	CU	15	0.02	0.00	0.01	0.03
V	V	U	.	.	.	.
DE	DE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	2	0.10	0.00	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	1	0.34	.	0.34	0.34
TSSF	TSSF	U	.	.	.	.
H228	H228	U	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 145

LOC=##22

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	9	85.33	44.92	46.00	200.00
AL	AL	2	0.10	0.00	0.10	0.10
ARS	ARS	9	0.02	0.00	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	2	0.50	0.00	0.50	0.50
MCU3	MCU3	9	22.44	26.06	1.00	81.00
BUU	BUU	2	150.00	0.00	150.00	150.00
B	B	9	0.13	0.07	0.10	0.30
HK	HK	0	.	.	.	.
ICOLIF	ICOLIF	0	.	.	.	.
CU	CU	2	0.05	0.06	0.01	0.10
CA	CA	9	99.41	39.37	8.70	150.00
CU3	CU3	9	51.00	48.57	1.00	180.00
CL	CL	9	43.67	8.50	28.00	55.00
CM	CM	2	0.02	0.00	0.02	0.02
CUU	CUU	2	430.00	395.98	150.00	710.00
CU	CU	2	0.07	0.04	0.04	0.10
DU	DU	7	3.97	1.17	2.45	6.10
DUC	DUC	6	40.25	7.44	25.00	50.00
LAS	LAS	0	.	.	.	.
F	F	9	1.23	0.32	0.70	1.60
HARD	HARD	2	700.00	0.00	700.00	700.00
FE	FE	9	4.10	0.65	3.00	5.00
KJN	KJN	9	31.67	5.77	28.00	42.00
PH	PH	2	0.02	0.01	0.02	0.03
LI	LI	2	0.20	0.00	0.20	0.20
MG	MG	9	47.78	27.58	20.00	71.00
MN	MN	9	0.11	0.09	0.02	0.20
MG	MG	2	0.00	0.00	0.00	0.00
MULY	MULY	2	0.01	0.00	0.01	0.01
NI	NI	2	0.15	0.07	0.10	0.20
NOJ	NOJ	9	0.50	0.00	0.50	0.50
ULGH	ULGH	2	5.50	6.36	1.00	10.00
S203	S203	0	.	.	.	.
PH	PH	9	25.89	8.28	5.50	9.65
K	K	9	.	.	17.00	41.00
HA	HA	0	.	.	.	.
HIM	HIM	0	.	.	.	.
HN	HN	0	.	.	.	.
SE	SE	2	0.01	0.00	0.01	0.01
AG	AG	2	0.01	0.00	0.01	0.01
NA	NA	9	176.67	31.62	170.00	250.00
TUS	TUS	9	1210.00	336.97	940.00	1800.00
SULS	SULS	0	.	.	.	.
SFC	SFC	9	1505.56	268.43	1050.00	1900.00
SR	SR	2	2.69	2.69	0.50	4.30
SU4	SU4	2	1500.00	424.26	1200.00	1800.00
TEMP	TEMP	9	13.67	4.04	10.00	18.00
ZN	ZN	2	0.02	0.00	0.02	0.02
TUC	TUC	0	.	.	.	.
PHEN	PHEN	2	0.13	0.09	0.07	0.20
CYAN	CYAN	0	.	.	.	.
NIJ	NIJ	9	19.47	8.91	0.20	29.00

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 146

LUC=##22

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PSI	PSI	0	1.00	0.00	1.00	1.00
SI02	SI02	7	1.00	0.00	1.00	1.00
U	U	0	1.00	0.00	1.00	1.00
SUSS	SUSS	0	1.00	0.00	1.00	1.00
TH	TH	0	1.00	0.00	1.00	1.00
CS	CS	0	1.00	0.00	1.00	1.00
I	I	0	1.00	0.00	1.00	1.00
SB	SB	0	1.00	0.00	1.00	1.00
ZH	ZH	0	1.00	0.00	1.00	1.00
Y	Y	0	1.00	0.00	1.00	1.00
RB	RB	0	1.00	0.00	1.00	1.00
GE	GE	0	1.00	0.00	1.00	1.00
GA	GA	0	1.00	0.00	1.00	1.00
II	II	0	1.00	0.00	1.00	1.00
SC	SC	0	1.00	0.00	1.00	1.00
A	A	0	1.00	0.00	1.00	1.00
CU	CU	0	1.00	0.00	1.00	1.00
V	V	0	1.00	0.00	1.00	1.00
BE	BE	0	1.00	0.00	1.00	1.00
OH	OH	0	1.00	0.00	1.00	1.00
CH	CH	0	1.00	0.00	1.00	1.00
PA	PA	0	1.00	0.00	1.00	1.00
MA	MA	0	1.00	0.00	1.00	1.00
SCN	SCN	2	1.00	0.00	1.00	1.00
TURB	TURB	0	1.00	0.00	1.00	1.00
FF	FF	1	1.14	1.14	1.14	1.14
ISSF	ISSF	0	1.00	0.00	1.00	1.00
KZ2B	KZ2B	0	1.00	0.00	1.00	1.00

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WW32

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	5	320.80	34.11	300.00	380.00
AL	AL	2	0.50	0.28	0.10	0.50
ARS	ARS	5	0.02	0.00	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	2	0.50	0.00	0.50	0.50
HC0J	HC0J	5	314.80	33.99	280.00	370.00
B00	B00	1	150.00	.	150.00	150.00
B	B	5	0.10	0.00	0.10	0.10
BR	BR	2	0.40	0.14	0.30	0.50
TCOLIF	TCOLIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	5	82.40	4.83	75.00	86.00
COJ	COJ	3	7.67	10.69	1.00	20.00
CL	CL	5	49.20	3.77	46.00	55.00
CR	CR	2	0.02	0.00	0.02	0.02
CUD	CUD	2	30.00	28.28	10.00	50.00
CU	CU	2	0.02	0.00	0.02	0.02
DU	DU	2	4.89	0.32	4.67	5.12
DUC	DUC	5	10.00	11.79	1.00	30.00
LAS	LAS	0	.	.	.	.
F	F	5	0.14	0.05	0.10	0.20
MAND	MAND	2	415.00	35.36	390.00	440.00
FE	FE	5	0.20	0.39	0.02	0.50
KJN	KJN	4	0.43	0.29	0.10	0.80
PB	PB	2	0.02	0.01	0.02	0.03
LI	LI	2	0.05	0.00	0.05	0.05
MG	MG	5	55.20	3.56	50.00	59.00
MN	MN	5	0.03	0.02	0.02	0.06
MG	MG	2	0.00	0.00	0.00	0.00
MULY	MULY	2	0.01	0.00	0.01	0.01
NI	NI	1	0.06	.	0.06	0.06
NOJ	NOJ	5	24.00	4.18	20.00	29.00
OLGH	OLGH	2	10.00	0.00	10.00	10.00
S20J	S20J	0	.	.	.	.
PH	PH	4	.	.	7.01	7.60
K	K	5	1.84	0.18	1.60	2.10
RA	RA	2	4.50	3.54	2.00	7.00
STH	STH	2	6.50	0.71	6.00	7.00
RR	RR	1	0.60	.	0.60	0.60
SE	SE	2	0.01	0.00	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	5	128.00	8.37	120.00	140.00
TDS	TDS	5	742.00	114.54	540.00	810.00
SULS	SULS	0	.	.	.	.
SPC	SPC	4	1107.00	62.11	1010.00	1180.00
SR	SR	2	1.45	1.34	0.50	2.40
S04	S04	2	255.00	7.07	250.00	260.00
TEMP	TEMP	1	10.00	.	10.00	10.00
ZN	ZN	2	0.16	0.14	0.03	0.30
TUC	TUC	0	.	.	.	.
PHEN	PHEN	2	0.03	0.04	0.00	0.05
CYAN	CYAN	1	0.00	.	0.00	0.00
NHJ	NHJ	5	0.27	0.27	0.04	0.70

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 148

LOC=##32

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
SI02	SI02	4	19.50	0.58	19.00	20.00
U	J	1	0.01	.	0.01	0.01
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SA	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
MB	MB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
DE	DE	0	.	.	.	.
UH	UH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	0	.	.	.	.
TURB	TURB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
R22B	R22B	1	0.80	.	0.80	0.80

SHAFT AND
MINE WATER

2.2.2.7 Shaft and Mine Water

Water samples were not taken for analysis during this report period (June through December 1982) at the shafts.

The RAMIS data base shaft water file was scanned for errors which may have been entered and corrections were made. These values are correct to the best of our knowledge.

Data tables of water samples taken since 1979 from the three shafts are presented in the Water Quality Assurance Section 2.2.4. Refer to the list of tables in the Assurance section for easy reference of these data tables.

SHALE DUMPS

2.2.2.8 Shale Dumps

Refer to section 2.2.1.8 for data results of field measurements sampled from the lysimeters at the shale pile.

2.2.2.9 Sediments

Stream bed sediments were sampled to obtain sediment characterizations on September 2, 1982 at four sites on the C-b Tract. A memo discussing location of samples taken and activities conducted is presented in this section.

memorandum

DATE: September 14, 1982

REPLY TO
ATTN OF: Glen Miller, Mike Deneen

SUBJECT: Initial sampling for sediment characterization, C-a and C-b

TO: OSO Files, Briant Kimball

On September 2, 1982, four sites on tracts C-b and three sites on tract C-a were sampled for sediment characterization. Field replicates were taken at each site. The following personnel were present:

Briant Kimball, Bob Tobin	USGS-WRD, Colorado District
Vic Janzer, Jerry Leenheer	USGS-WRD, Central Region
Nick Stellavato	Occidental (C-b), Grand Junction
Swain Munson	VTN (Consultant to U-a/U-b, G. Jct.
Glen Miller, Mike Deneen	MMS-OSO, Grand Junction

Topographic map sections of the sample sites are attached, as well as field sketches of the individual sample sites. The sampled sites are described below. The Lat-Long is in relation to published Lat-Long at station sites.

Tract C-a:

1. Corral Gulch, 100± meter reach above Station 235. Elevation 6990±. Lat. 39°54'21", Long. 108°31'59". Flowing, G. H. chart 1.65 apx. 1/4 CFS, EC 980 umhos @ 24.5°C. Bankfull width, 12'. Black muds at shallow depths. Upstream station for tract C-a.

2. Corral Gulch, 100± meter reach above Station 242. Elevation 6570±. Lat. 39°55'12", Long. 108°28'18". Flowing, G. H. outside 1.35 = 0.85 CFS (Box Elder 12" flume G.H. 0.26, EC 1000 @ 14°C, pH 7; Corral Gulch 3" flume G.H. 0.10, EC 1350 @ 19°C, pH 7.5-8). EC at sample site 1050 @ 13.5°C. Bank full width 23'. Downstream site for tract C-a.

3. "Rinky-Dink" Gulch (tributary to Box Elder Gulch), 100± meter reach beginning 50' above C-a injection pipeline crossing, approximately 500' upstream from Station 241. Elevation 6670'±, Lat. 39°54'45", Long. 108°29'09". No flow. Bank full width 23'. Control site for tract C-a.

Tract C-b.

1. Piceance Creek, 100± meter reach above road crossing at Station 007. Elevation 6370'±. Lat. 39°49'32", Long. 108°10'56". Flowing, G.H. = 2.57, = 9.2 CFS, EC 720 umhos @ 14°C. Bank full width 23'. Upstream site for Tract C-b.

2. Piceance Creek, 100± meter reach above bridge at Station 061. Elevation 6190'±. Lat. 39°51'02", Long. 108°15'29". Flowing, G.H. 1.85 = 13.3 CFS. EC 1100 umhos @ 20°C, pH 7.5. Almost all sediment is black in this reach. Bank full width 21'. Downstream site for Tract C-b.

3. Little Gardenhire Gulch, 100± meter reach above Station 042. Elevation 6360±. Lat. 39°49'58", Long. 108°13'12". Flowing mine water at 0.49 CFS, discharge from C-b mine, bubble gage height 1.38, flume G.H. 0.19. EC from "mini-monitor" 1870, T. 25.5°C. Bank full width 3.3' (channel scoured aby clear discharge water). Site drains almost all lessee activities at C-b.

4. Sorghum Gulch, 100± meter reach beginning 75± meters above road crossing at gage 033. Elevation 6840'±. Lat. 39°47'05", Long. 108°12'33". No flow. Bank full width 8'. Control site for tract C-b.

Briant Kimball will perform several analyses on the samples, including grain size distribution, mineralogy, leachate chemistry, and geochemistry.

Plan is to sample U-a/U-b tracts during the week of September 13.

cc: Bob Tobin, WRD-Meeker
Butch Slawson, C-a
Nick Stellavato, C-b
Bob Thomason, C-b

09306042

~~6-5~~

9-2-82



STREAM WIDTH
3.3 FT

O GHT .19

BUBBLE GAGE 1.38

MINIMONITOR

T	25.5	1510
C	1870	2187

5-6" CORE/SITE/BAG

5"

9-2-82

04306007 SEDIMENT SAMPLE
BOTTOM MATERIAL

2 BAGS

2 1/2" CORE
3 CORES/BAG

STILLING WELL

N

30'

2 CORES / BAG

14°C

COND 720 X

G.H.T. 2.57

BANK FULL 23 FT.

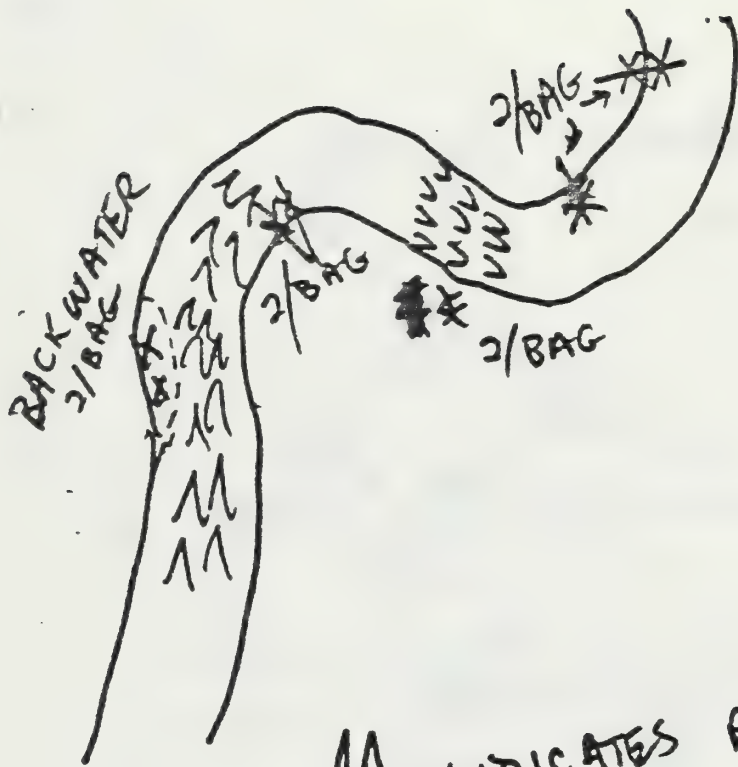
150'
1/BAG

2/BAG

COND
720 X
CONVERSION
FACTOR @ 14°C

2/BAG

NEXT PAGE



$\begin{matrix} \text{u} \\ \text{u} \end{matrix}$ INDICATES RIFFLE

ALL CORE SAMPLE \approx TOP 2"

100M STRETCH

~~1 CORE~~ 1 MORE CORE TO EACH BAG
 ON RETURN ~~1 CORE~~

TOTAL \approx 6" CORE / SITE / BAG

09306061

9-2-82

O.GHT 1.88
I.GHT 1.85
COND 1100 @ 20.0°C
PH 7.5



SEDIMENT IS
BLACK ALMOST
EVERYWHERE

BANKFULL 21'

SONGKUM
~~COTTAGE~~

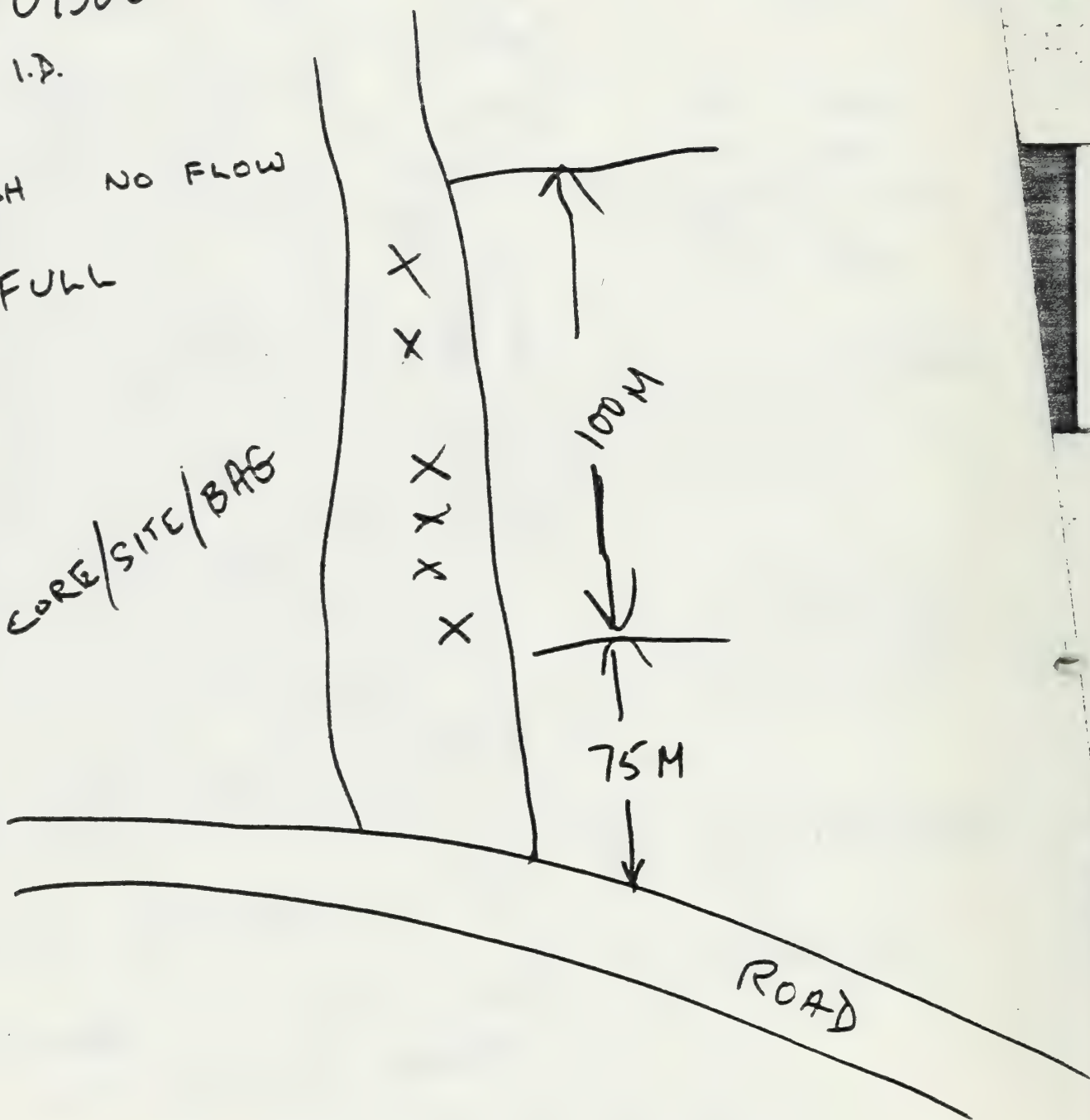
~~09306033~~ 09306033

STATION I.D.

DRY WASH NO FLOW

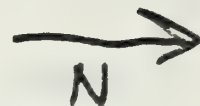
BANK FULL
8'

○ ≈ 6" CORE/SITE/BAG



STA I.D.
09306242

DATE
9-2-82



GHT .26
IN 12"
PARSHALL
FLUME
COND 1000 @ 14.0°C
PH 7.0

Box ELDER

CORRAL GULCH

G. HT .10 IN 3"
PARSHALL FLUME
COND 1350 @ 19.0°C
PH 7.5 @ 8.0

CORRAL GULCH

G. HT OUTSIDE 1.35

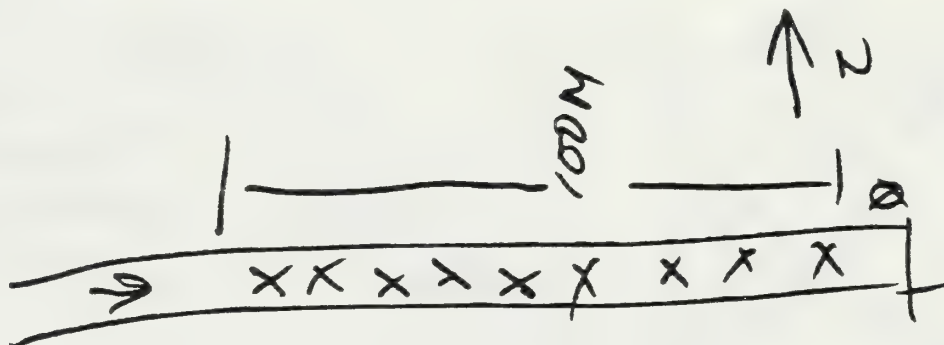
COND 1050 @ ~~12.7~~
13.5°C

BANK FULL 23'

FOOM

9-2-82
09306235

CORRAL GULCH BL WATER GULCH



GHT STRIP CHART 1.65

COND 980 @ 24.5°C

PH 8.0

BANK FULL 12'

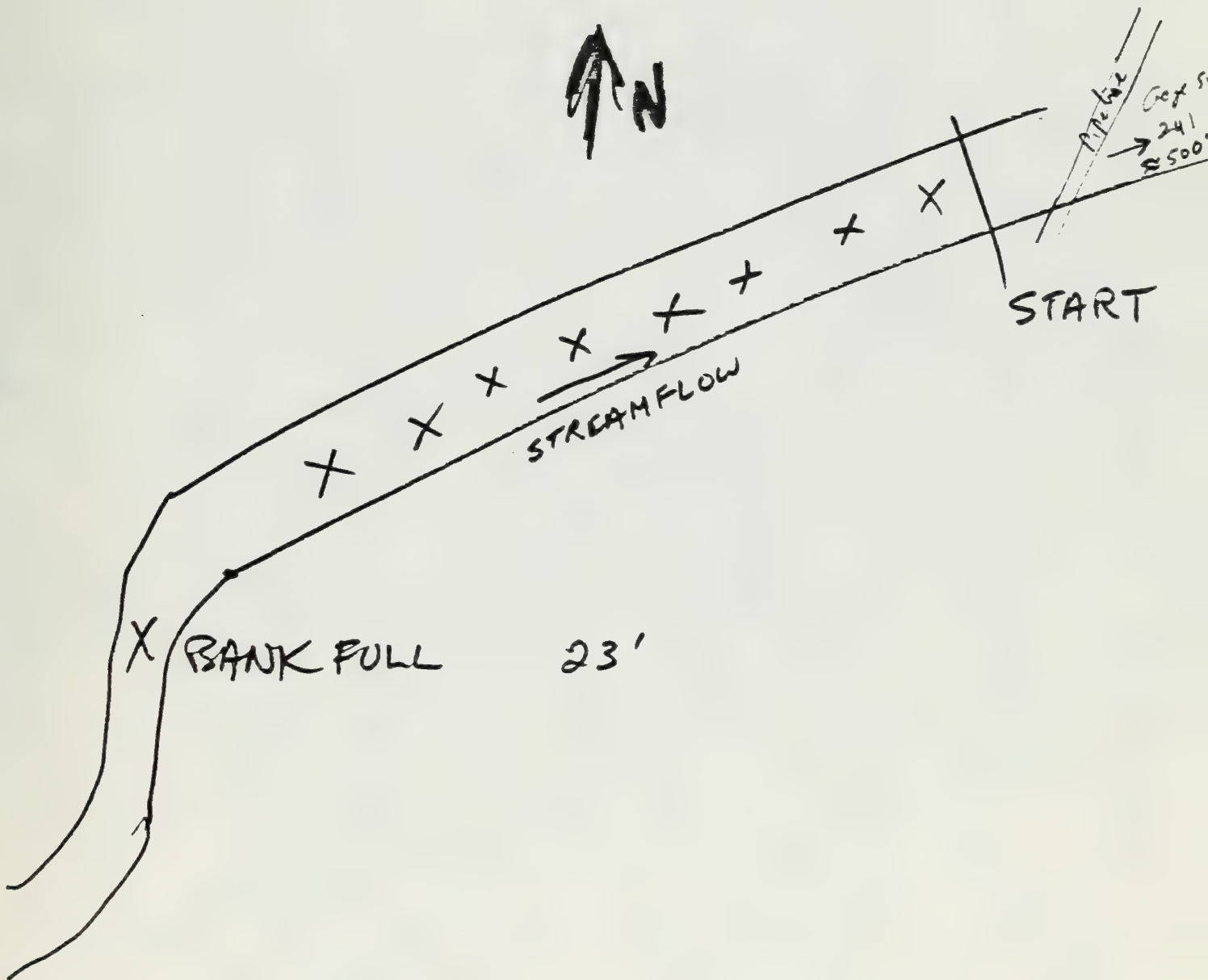
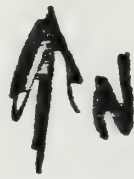
BLACK MUD VERY SHALLOW

SWIFT FLOW THROUGH ENTIRE LENGTH

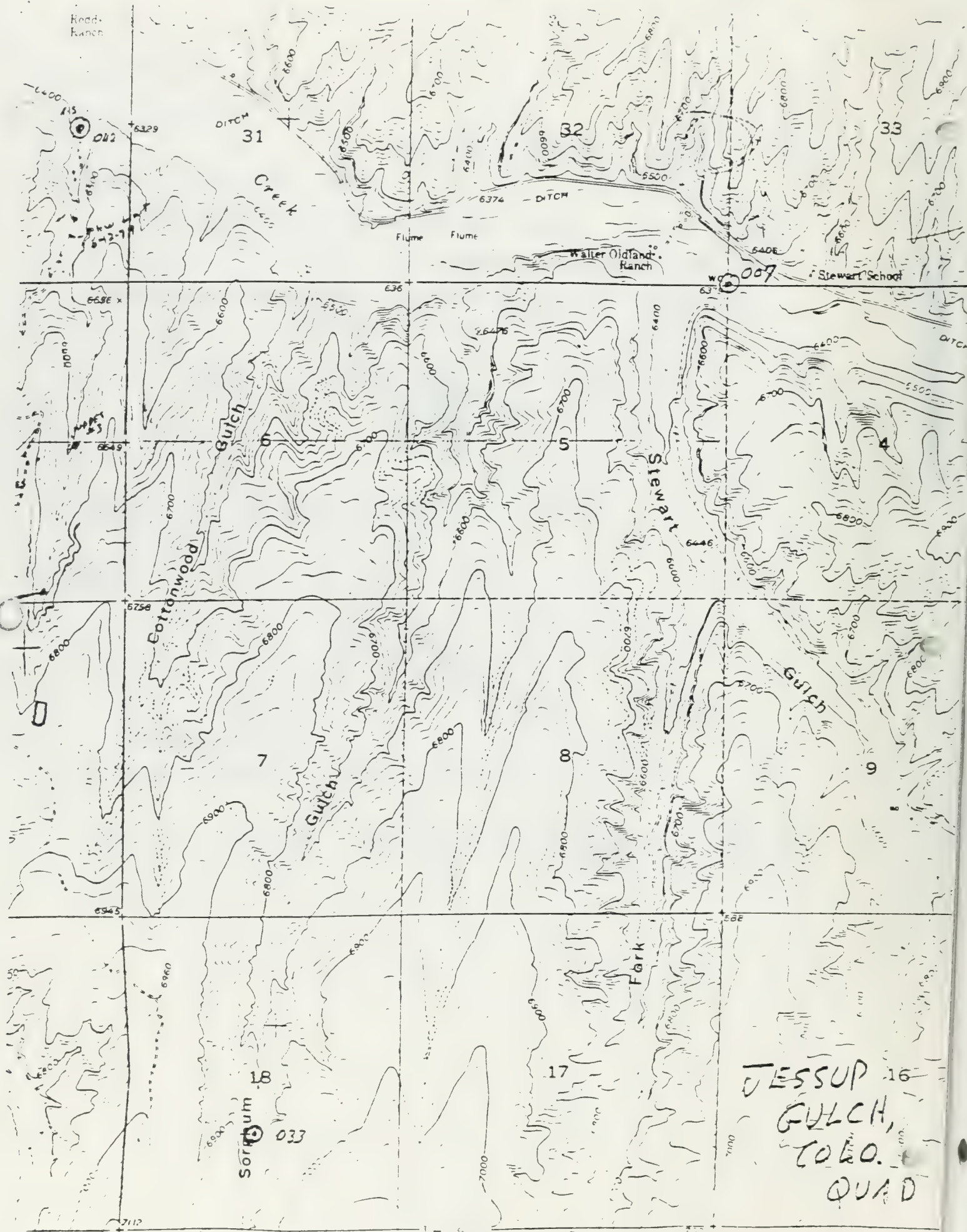
9-2-82
DRY WASH RINKY DINK
START

50' U.S. INJ. PIPELINE CROSSING
TO HI ABOVE GAGE

BIASED TOWARD FINE GRAINED MATERIAL

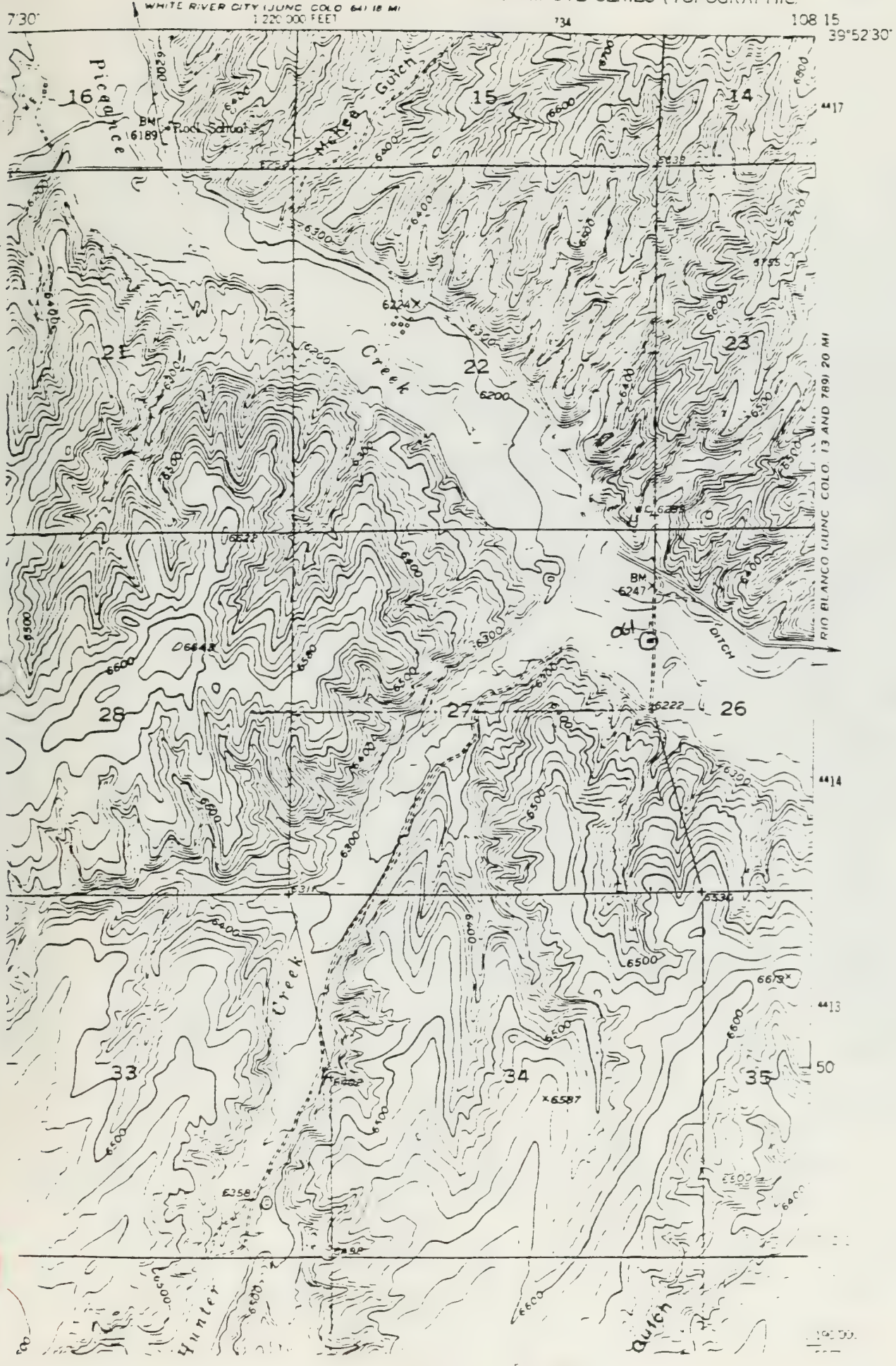


Reed-Ranch

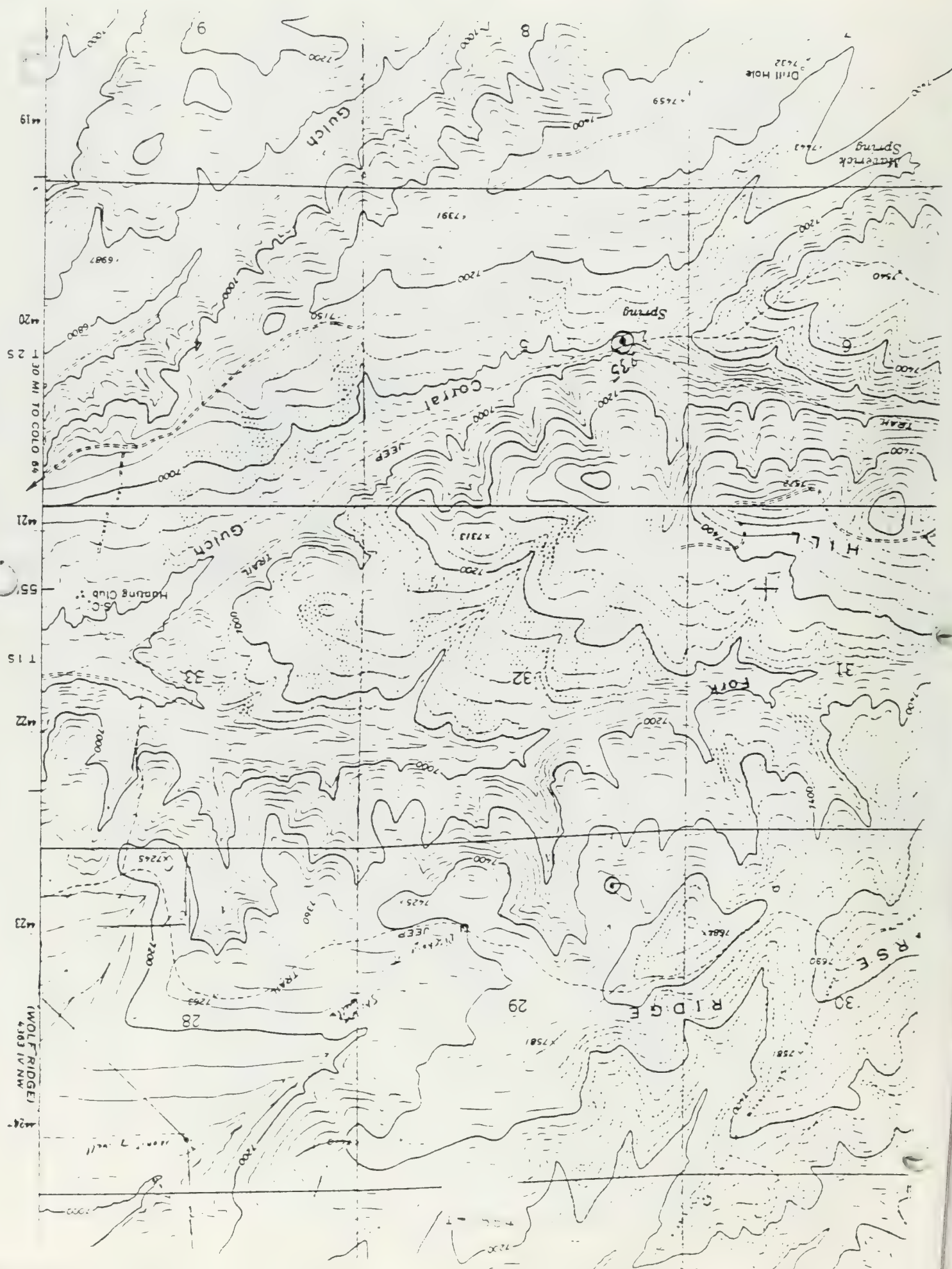


JESSUP 16
GULCH,
TOLO.
QUAD

COLORADO-RIO BLANCO CO
7.5 MINUTE SERIES (TOPOGRAPHIC)



0101111 110208 1005



42631 NE
(SAGEBRUSH HILL)



2.2.3 Supplemental Water Data - Analyses

Statistics tables of mean, minimum and maximum values for one sample taken at two Uintah Zone wells (WC17 and WC91) and one composite well (WV37) are presented in this section. A column for standard deviation is located on these tables but calculations were not run since there was only one data point. Data tables of these samples are presented in the Water Quality Assurance Section 2.2.4. Screening of the water file was conducted to correct any values which were entered incorrectly. Refer to the list of tables in the Assurance section for finding specific data tables.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LUC=WC17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	100.00	.	100.00	100.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HCO3	HCO3	1	50.00	.	50.00	60.00
BUD	BUD	1	150.00	.	150.00	150.00
B	B	1	0.20	.	0.20	0.20
BR	BR	1	0.10	.	0.10	0.10
ICOLIF	ICOLIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	30.00	.	30.00	30.00
CO3	CO3	1	42.00	.	42.00	42.00
CL	CL	1	120.00	.	120.00	120.00
CR	CR	1	0.02	.	0.02	0.02
COD	COD	1	120.00	.	120.00	120.00
CU	CU	1	0.02	.	0.02	0.02
DU	DU	1	0.15	.	0.15	0.15
DUC	DUC	1	24.00	.	24.00	24.00
LAS	LAS	0	.	.	.	.
F	F	1	0.70	.	0.70	0.70
HAHD	HAHD	1	130.00	.	130.00	130.00
FE	FE	1	0.02	.	0.02	0.02
KJN	KJN	1	3.30	.	3.30	3.30
PB	PB	1	0.02	.	0.02	0.02
LI	LI	1	0.06	.	0.06	0.06
MG	MG	1	13.00	.	13.00	13.00
MN	MN	1	0.02	.	0.02	0.02
HG	HG	1	0.00	.	0.00	0.00
MULY	MULY	1	0.04	.	0.04	0.04
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
ULGH	ULGH	1	10.00	.	10.00	10.00
S203	S203	0	.	.	.	.
PH	PH	1	7.90	.	7.90	7.90
K	K	1	7.90	.	7.90	7.90
HA	HA	0	.	.	.	.
BTH	BTH	0	.	.	.	.
HR	HR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	160.00	.	160.00	160.00
TUS	TUS	1	640.00	.	640.00	640.00
SUL5	SUL5	0	.	.	.	.
SPC	SPC	1	1260.00	.	1260.00	1260.00
SH	SH	1	3.20	.	3.20	3.20
SU4	SU4	1	240.00	.	240.00	240.00
TEMP	TEMP	1	25.00	.	25.00	25.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.08	.	0.08	0.08
CYAN	CYAN	0
NH3	NH3	1	2.20	.	2.20	2.20

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC=WC17

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0				
SI02	SI02	1	10.00		10.00	10.00
U	U	0				
SUSS	SUSS	0				
TH	TH	0				
CS	CS	0				
I	I	0				
SB	SB	0				
ZK	ZK	0				
Y	Y	0				
RB	RB	0				
GE	GE	0				
GA	GA	0				
TI	TI	0				
SC	SC	0				
W	W	0				
CU	CU	0				
V	V	0				
DE	DE	0				
OH	OH	0				
CH	CH	0				
PA	PA	0				
MA	MA	0				
SCN	SCN	1	0.10		0.10	0.10
TURB	TURB	0				
FF	FF	0				
TSS	TSS	0				
M22B	M22B	0				

5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

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LUC#C91

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	210.00	.	210.00	210.00
AL	AL	1	0.10	.	0.10	0.10
ARS	ARS	1	0.02	.	0.02	0.02
FCOLIF	FCOLIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HC03	HC03	1	40.00	.	40.00	40.00
BUD	BUD	1	150.00	.	150.00	150.00
H	H	1	0.30	.	0.30	0.30
BR	BR	1	0.10	.	0.10	0.10
TCULIF	TCULIF	0	.	.	.	.
CD	CD	0	.	.	.	.
CA	CA	1	8.20	.	8.20	8.20
CU3	CU3	1	170.00	.	170.00	170.00
CL	CL	1	240.00	.	240.00	240.00
CR	CR	1	0.02	.	0.02	0.02
CUD	CUD	1	76.00	.	76.00	76.00
CU	CU	1	0.02	.	0.02	0.02
DO	DO	1	4.46	.	4.46	4.46
DUC	DUC	1	16.00	.	16.00	16.00
LAS	LAS	0	.	.	.	.
F	F	1	0.80	.	0.80	0.80
HARD	HARD	1	150.00	.	150.00	150.00
FE	FE	1	0.50	.	0.50	0.50
KJN	KJN	1	3.40	.	3.40	3.40
PH	PH	1	0.02	.	0.02	0.02
LI	LI	1	0.30	.	0.30	0.30
MG	MG	1	32.00	.	32.00	32.00
MN	MN	1	0.02	.	0.02	0.02
HG	HG	1	0.00	.	0.00	0.00
MOLY	MOLY	1	0.03	.	0.03	0.03
NI	NI	1	0.02	.	0.02	0.02
NO3	NO3	1	0.50	.	0.50	0.50
OLGH	OLGH	1	10.00	.	10.00	10.00
S203	S203	0	.	.	.	.
PH	PH	1	52.00	.	52.00	52.00
K	K	1	1.00	.	1.00	1.00
RA	RA	1	6.00	.	6.00	6.00
BTH	BTH	1	.	.	.	.
MM	MM	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	270.00	.	270.00	270.00
TDS	TDS	1	1000.00	.	1000.00	1000.00
SOLS	SOLS	0	.	.	.	.
SPC	SPC	1	1760.00	.	1760.00	1760.00
SH	SH	1	0.70	.	0.70	0.70
SU4	SU4	1	320.00	.	320.00	320.00
TEMP	TEMP	1	21.00	.	21.00	21.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.02	.	0.02	0.02
CYAN	CYAN	0
NH3	NH3	1	2.30	.	2.30	2.30

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3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=WC91

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	0	.	.	.	.
ST02	ST02	0	.	.	.	.
U	U	0	.	.	.	.
SUSS	SUSS	0	.	.	.	.
TH	TH	0	.	.	.	.
CS	CS	0	.	.	.	.
I	I	0	.	.	.	.
SB	SB	0	.	.	.	.
ZK	ZK	0	.	.	.	.
Y	Y	0	.	.	.	.
HB	HB	0	.	.	.	.
GE	GE	0	.	.	.	.
GA	GA	0	.	.	.	.
TI	TI	0	.	.	.	.
SC	SC	0	.	.	.	.
W	W	0	.	.	.	.
CU	CU	0	.	.	.	.
V	V	0	.	.	.	.
BE	BE	0	.	.	.	.
OH	OH	0	.	.	.	.
CH	CH	0	.	.	.	.
PA	PA	0	.	.	.	.
MA	MA	0	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TUHB	TUHB	0	.	.	.	.
FF	FF	0	.	.	.	.
TSSF	TSSF	0	.	.	.	.
K22B	K22B	0	.	.	.	.

3 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982) 14:10 THURSDAY, JANUARY 13, 1983 139

LUC=HVJ7

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
TALK	TALK	1	350.00	.	350.00	350.00
AL	AL	1	0.10	.	0.10	0.10
AMS	AMS	1	0.02	.	0.02	0.02
FCULIF	FCULIF	0	.	.	.	.
BA	BA	1	0.50	.	0.50	0.50
HC03	HC03	1	350.00	.	350.00	350.00
BDU	BDU	1	150.00	.	150.00	150.00
B	B	1	0.10	.	0.10	0.10
BR	BR	1	0.50	.	0.50	0.50
TCULIF	TCULIF	0	.	.	.	.
CU	CU	0	.	.	.	.
CA	CA	1	53.00	.	53.00	53.00
CO3	CO3	1	1.00	.	1.00	1.00
CL	CL	1	7.20	.	7.20	7.20
CH	CH	1	0.02	.	0.02	0.02
COD	COD	1	115.00	.	115.00	115.00
CU	CU	1	0.02	.	0.02	0.02
DO	DO	1	2.86	.	2.86	2.86
DUC	DUC	1	2.00	.	2.00	2.00
LAS	LAS	0	.	.	.	.
F	F	1	0.70	.	0.70	0.70
MAHU	MAHU	1	300.00	.	300.00	300.00
FE	FE	1	0.06	.	0.06	0.06
KUN	KUN	1	0.30	.	0.30	0.30
PR	PR	1	0.02	.	0.02	0.02
LI	LI	1	0.05	.	0.05	0.05
MG	MG	1	40.00	.	40.00	40.00
MN	MN	1	0.08	.	0.08	0.08
HU	HU	1	0.00	.	0.00	0.00
MULY	MULY	1	0.01	.	0.01	0.01
NI	NI	1	0.10	.	0.10	0.10
NO3	NO3	1	0.50	.	0.50	0.50
ULGH	ULGH	1	5.00	.	5.00	5.00
SC03	SC03	0	.	.	.	.
PH	PH	1	8.04	.	8.04	8.04
K	K	1	0.50	.	0.50	0.50
RA	RA	0	.	.	.	.
HTH	HTH	0	.	.	.	.
RR	RR	0	.	.	.	.
SE	SE	1	0.01	.	0.01	0.01
AG	AG	1	0.01	.	0.01	0.01
NA	NA	1	210.00	.	210.00	210.00
TUS	TUS	1	90.00	.	90.00	90.00
SUL5	SUL5	0	.	.	.	.
SPC	SPC	1	1200.00	.	1200.00	1200.00
SH	SH	1	11.00	.	11.00	11.00
S04	S04	1	440.00	.	440.00	440.00
TEMP	TEMP	1	25.00	.	25.00	25.00
ZN	ZN	1	0.02	.	0.02	0.02
TUC	TUC	0
PHEN	PHEN	1	0.00	.	0.00	0.00
CTAN	CTAN	0
NH3	NH3	1	0.30	.	0.30	0.30

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5 YEAR STATISTICS FOR WATER PERIOD (OCTOBER 1977 TO SEPTEMBER 1982)

LOC=HVV7

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE
PST	PST	U	.	.	.	.
SI02	SI02	1	17.00	.	17.00	17.00
U	U	U	.	.	.	.
SUSS	SUSS	U	.	.	.	.
TH	TH	U	.	.	.	.
CS	CS	U	.	.	.	.
I	I	U	.	.	.	.
SB	SB	U	.	.	.	.
ZK	ZK	U	.	.	.	.
Y	Y	U	.	.	.	.
MB	MB	U	.	.	.	.
GE	GE	U	.	.	.	.
GA	GA	U	.	.	.	.
TI	TI	U	.	.	.	.
SC	SC	U	.	.	.	.
W	W	U	.	.	.	.
CU	CU	U	.	.	.	.
V	V	U	.	.	.	.
BE	BE	U	.	.	.	.
OH	OH	U	.	.	.	.
CH	CH	U	.	.	.	.
PA	PA	U	.	.	.	.
MA	MA	U	.	.	.	.
SCN	SCN	1	0.10	.	0.10	0.10
TURB	TURB	U	.	.	.	.
FF	FF	U	.	.	.	.
TSSF	TSSF	U	.	.	.	.
R22B	R22B	U	.	.	.	.

WATER QUALITY
ASSURANCE

2.2.4 Water Quality Assurance

Complying with the water monitoring Quality Assurance Program implemented in 1981, an extensive review of all water lab analyses stored in the RAMIS data base water quality files were checked for incorrect values entered and changes were made, if needed. All data in these files are now correct to the best of our knowledge. Data screening is an ongoing procedure for detecting errors occurring from field sampling through data handling and reporting. Inasmuch as the first iteration of this process of screening for errors has just been completed as part of the Quality Assurance program, these tables are entered in this section, rather than in each respective section.

The list of tables which follow in this section references field and lab analyses by water type for samples taken since Baseline, November 1974 through December 1982.

Other aspects of the water quality assurance program for sampling methodology and logging, field tests, analytical methods and quality control in the laboratory, data record keeping and inspection, and outlier detection are ongoing procedures to assure that the end results of our data sampling are correct to the best of our knowledge.

The procedures formulated in the Quality Assurance Program for Hydrology are designed to comply with monitoring and analytical practices approved by the Environmental Protection Agency, the United States Geological Survey and other appropriate groups.

In conjunction with implementation of the Quality Assurance Program, the Cathedral Bluffs' Environmental Services Department carries out routine assessment inspections of the field sites to evaluate the operation of the program. These inspections have been helpful in maintaining full compliance with the quality assurance procedures, making necessary adjustments to the program, and introducing alterations suggested by the experience of the field monitoring personnel.

TABLE 2.2.4

Water Quality Assurance List of Tables

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CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
-----	--	--	-----	-----	-----
WS01	74	10	7.9	1300.0	
	76	5	8.3	1300.0	
		6	8.4	1200.0	
		10	8.3	1521.0	
	77	12	9.2	1300.0	20.0
	78	10	7.6	1300.0	8.5
	79	2			
		5			
		8			
		21			
	80	1			
				760.0	
		4	8.0	1330.0	18.0
		7	7.6	1480.0	21.0
		10	7.9	1440.0	17.0
	81	1	7.5	1150.0	6.5
		4	7.9	1310.0	
		10	8.5	785.0	13.3
WS02	74	10	8.0	1100.0	
	75	9	8.4	1200.0	
	76	5	8.1	1200.0	
		10	8.4	1521.0	
	78	6	8.1	1200.0	15.0
		10	7.8	1200.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.9	1300.0	17.0
		7	7.7	1130.0	20.0
		10	7.9	1300.0	14.0
	81	1	7.6	1100.0	6.5
		4	8.0	1190.0	
		6	7.8	1080.0	15.0
		10	8.8	1020.0	12.1
WS03	74	10	7.6	1200.0	
	75	9	8.4	1400.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
-----	--	--	-----	-----	-----
WS03	76	2	8.5	1450.0	
		4	8.3	1300.0	
		5	8.3	1300.0	
		6	8.5	1200.0	
		7	7.8	1400.0	
		8	8.5	1455.0	
		10	8.4	1559.0	
	77	12	8.2	1400.0	19.0
	78	4	8.3		17.0
		6	8.0	1350.0	16.0
		7	8.2	1250.0	13.5
		10	7.8	1400.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.6	1440.0	18.0
		7	7.4	1260.0	18.0
		10			
	81	1	7.3	1240.0	7.5
		4	7.6	1350.0	
		10	8.4	1050.0	11.0
WS04	74	10	7.8	1100.0	
		9	8.4	1100.0	
		5	8.3	1250.0	
		6	8.2	1200.0	15.0
		10	8.0	1100.0	12.0
	79	2			
		5			
		8			
	80	1			
		4	7.9	1390.0	18.5
		7	7.5	1200.0	17.0
		10	7.9	1320.0	14.0
	81	1	7.5	1110.0	6.0
		4	7.9	1220.0	

CB-TRACT
QUARTER AND SEMI-ANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
-----	--	--	-----	-----	-----
WS04	81	6	7.7	1100.0	14.0
		10	8.6	1010.0	11.7
WS06	74	10	8.2	1200.0	
	75	5	7.3	1400.0	
		9	8.4	1400.0	
	76	5	8.2	1300.0	
		10	8.3	1562.0	
	77	12	7.8	1300.0	18.0
	78	6	7.7	1380.0	12.0
		10	7.8	1300.0	11.0
	79	2			
		5			
		8			
		10			
	80	1			
		4	7.1	1550.0	13.0
		7	7.4	1340.0	19.0
		10	7.2	1558.0	14.0
	81	1	7.3	1290.0	8.0
		4	6.9	1430.0	
		6	7.5	1318.0	14.0
		10	8.1	1215.0	10.9
WS07	74	10	8.1	1300.0	
	75	9	8.4	1300.0	
	76	5	8.1	1250.0	
		10	8.4	1521.0	
	77	12	8.4	1300.0	19.0
	78	4	7.9		16.0
		7	7.7	1400.0	12.0
		10	7.7	1400.0	12.0
	79	2			
		5			
		8			
	80	1			
		4	7.3	1620.0	11.5

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
-----	--	--	-----	-----	-----
WS07	80	4	7.9	800.0	
		7	7.3	1220.0	17.0
		10	7.5	1580.0	15.0
	81	1	7.0	1300.0	8.0
		4	7.2	1400.0	
		6	7.5	1290.0	11.0
		10	8.0	1170.0	9.1
WS08	74	10	7.9	1300.0	
	75	9	8.3	1200.0	
	76	10	8.4	1467.0	
	78	7	7.4	1320.0	15.0
	79	8			
	80	1			
		4	7.3	1450.0	11.0
		7			
	81	4	7.2	1370.0	
WS09	74	10	8.1	1200.0	
	75	9	7.8	1400.0	
	76	2	8.3	1300.0	
		4	8.3	1300.0	
		5	8.2	1200.0	
		6	8.3	1200.0	
		7	8.2	1350.0	
		8	8.3	840.0	
		9	8.4	1495.0	
		10	8.4	1505.0	
	77	12	8.2	1300.0	
	78	6	7.8	1350.0	16.0
		10	7.7	1300.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.6	1550.0	13.0
		7	7.4	1380.0	16.0

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
-----	--	--	-----	-----	-----
WS09	80	10	7.4	1470.0	14.0
	81	1	7.2	1240.0	6.0
		4	7.3	1340.0	
		6	7.5	1230.0	11.0
		10	8.0	1130.0	8.8
WS10	74	10	7.9	1200.0	
	75	5	7.9	1300.0	
		9	8.3	1200.0	
	76	5	8.2	1100.0	
		6	8.4	1100.0	
		7	8.1	1250.0	
		10	8.4	1355.0	
	77	12	8.6	1300.0	
	78	6	7.9	1250.0	14.0
		10	7.6	1200.0	10.0
	79	2			
		5			
		8			
	80	1			
		4	7.6	1360.0	12.0
		7	7.5	1470.0	18.0
		10	7.5	1450.0	13.0
	81	1	7.6	1180.0	6.0
		4	7.6	1300.0	
		6	7.8	1210.0	12.0
		10	8.4	1090.0	7.8
WS11	75	5	7.4		
	80	7	7.4	1260.0	18.0
		10	6.7	1370.0	15.0
	81	1	7.6	1160.0	6.0
		4	7.5	1300.0	
		6	7.6	1210.0	11.0
		10	8.1	1080.0	8.3
WS12	80	7	7.5	1300.0	18.0
		10	7.7	1470.0	16.0
	81	1	7.3	1340.0	8.0
		4	7.8	1500.0	

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 SPRINGS

SPRING	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
-----	--	--	-----	-----	-----
WS12	81	6	7.8	1420.0	14.0
		10	8.2	1220.0	14.3
WS36	80	4	8.1	1490.0	19.5
		7	7.8	1270.0	18.0
		10	8.1	1420.0	14.0
	81	1	7.6	1240.0	8.5
		4	8.1	1280.0	
		6	8.1	1190.0	14.0
		10	8.6	1060.0	12.0
WS66	80	7	7.6	1360.0	23.0

CB-TRACT
QUARTER AND SEMI-ANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING -----	YR --	MO --	DISSOLVED OXYGEN (MG/L) -----	FIELD FLUORIDE (MG/L) -----	FIELD SUSPENDED SOLIDS (MG/L) -----
WS01	74	10			
	76	5			
		6			
		10			
	77	12	6.0		
	78	10	6.0		
	79	2			
		5			
		8			
		21			
	80	1			
		4	7.6		
		7	6.4		
		10	8.1		
	81	1	11.0		
		4	7.9		
		10	4.4		
WS02	74	10			
	75	9			
	76	5			
		10			
	78	6	6.1		
		10	7.0		
	79	2			
		5			
		8			
	80	1			
		4	8.0		
		7	7.4		
		10	8.2		
	81	1	10.3		
		4	6.7		
		6	7.9		
		10	3.4		
WS03	74	10			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
-----	--	--	-----	-----	-----
WS03	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		10			
	77	12	7.2		
	78	4	9.4		
		6	8.6		
		7	7.5		
		10	6.0		
	79	2			
		5			
		8			
	80	1			
		4	7.3		
		7	7.8		
		10			
	81	1	9.5		
		4	7.7		
		10	3.1		
WS04	74	10			
	75	9			
	76	5			
	78	6	7.5		
		10	5.0		
	79	2			
		5			
		8			
	80	1			
		4	7.6		
		7	7.3		
		10	7.7		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
-----	---	---	-----	-----	-----
WS04	81	1	11.4		
		4	6.9		
		6	7.9		
		10	3.0		
WS06	74	10			
	75	5			
		9			
	76	5			
		10			
	77	12	7.5		
	78	6	4.2		
		10	5.0		
	79	2			
		5			
		8			
		10			
	80	1			
		4	6.7		
		7	6.9		
		10	6.3		
	81	1	9.6		
		4	6.5		
		6	6.7		
		10	4.0		
WS07	74	10			
	75	9			
	76	5			
		10			
	77	12	9.0		
	78	4	8.3		
		7	5.5		
		10	5.0		
	79	2			
		5			
		8			
	80	1			

CB-TRACT
QUARTER AND SEMI-ANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING -----	YR --	MO --	DISSOLVED OXYGEN (MG/L) -----	FIELD FLUORIDE (MG/L) -----	FIELD SUSPENDED SOLIDS (MG/L) -----
WS07	80	1			
		4	7.7		
		7	7.4		
		10	5.8		
	81	1	9.2		
		4	6.6		
		6	6.3		
		10	2.8		
WS08	74	10			
	75	9			
	76	10			
	78	7	6.2		
	79	8			
	80	1			
		4	7.5		
		7			
	81	4	6.4		
WS09	74	10			
	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	77	12	6.1		
	78	6	7.0		
		10	5.0		
	79	2			
		5			
		8			
	80	1			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
-----	--	--	-----	-----	-----
WS09	80	1			
		4	7.4		
		7	7.5		
		10	6.1		
	81	1	9.4		
		4	6.5		
		6	6.5		
		10	2.8		
WS10	74	10			
	75	5			
		9			
	76	5			
		6			
		7			
		10			
	77	12	5.2		
	78	6	11.2		
		10	3.0		
	79	2			
		5			
		8			
	80	1			
		4	8.5		
		7	7.4		
		10	6.4		
	81	1	8.9		
		4	7.4		
		6	8.4		
		10	3.3		
WS11	75	5			
	80	7	7.8		
		10	6.9		
	81	1	9.8		
		4	6.6		
		6	8.0		
		10	3.3		

CB-TRACT
QUARTER AND SEMI-ANNUAL FIELD MEASUREMENTS
SPRINGS

SPRING	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
-----	--	--	-----	-----	-----
WS12	80	7	7.5		
		10	7.2		
	81	1	9.4		
		4	7.4		
		6	9.0		
		10	2.8		
WS36	80	4	7.7		
		7	7.7		
		10	8.4		
	81	1	10.4		
		4	7.2		
		6	8.8		
		10	3.2		
WS66	80	7	7.5		

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AMMONIA		AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
				AL (MG/L)	AS N (MG/L)									
WS01	74	10		.060	.100	.003	.02	520.0	-1	.020		200.0	57.0	100.0
	76	5		.020		.001	.02	454.0	2.0	.010		123.0	77.0	81.0
	6				.240	.001		345.0	7.2			122.0	82.0	40.0
	10			.500	-.100	.010	.04	470.0	3.0	.030		122.0	80.0	84.0
	77	12		.580.0		.020	.50	580.0	1.0		560.0	133.0	74.0	46.0
	78	10		.420.0	.310	-.020	-.50	420.0	-1.0	.850	460.0	130.0	77.0	100.0
	79	2		.450.0	-.040	-.020	-.50	450.0	-1.0	.200	490.0	130.0	80.0	90.0
	5			.400.0	.400	-.020	-.50	360.0	36.0	.600	550.0	120.0	67.0	90.0
	8			.400.0	-.050	-.020	-.50	340.0	60.0		480.0	110.0	62.0	75.0
	21													
80	1		.420.0	.400	-.040	-.020	-.50	380.0	40.0	.700	560.0	120.0	100.0	59.0
	4			.430.0	.100	-.020	-.50	430.0	-1.0		380.0	120.0	60.0	52.0
	7			.420.0	.300	-.020	-.50	360.0	60.0		680.0	140.0	86.0	130.0
	10			.490.0	-.040	-.020	.50	400.0	90.0		470.0	140.0	74.0	65.0
	81	1		.410.0	-.040	-.020	-.50	380.0	28.0	.700	520.0	120.0	70.0	95.0
	4			.410.0	-.040	-.020	-.50	410.0	-1.0		600.0	130.0	72.0	100.0
	10			.420.0	-.040	-.020	-.50	400.0	16.0		560.0	140.0	79.0	93.0
	10			.430.0	.100	-.020	-.50	360.0	68.0	.400	560.0	130.0	80.0	93.0
	74	10		.500	-.100	.004	.05	500.0	-1	.020		110.0	81.0	82.0
	75	9		.700	.200	.002	.04	420.0	5.0	.030		110.0	86.0	78.0
	76	5			.010	.001	.04	433.0		.010		113.0	74.0	75.0
WS02	10			.300	-.100	.005	.02	364.0	4.0	.050		111.0	76.0	70.0
	78	6		.430.0	.500	-.020	-.50	420.0	10.0	-.100	560.0	130.0	65.0	82.0
	10			.340.0	.750	-.020	.80	320.0	20.0	.560	460.0	120.0	81.0	110.0
	79	2		.420.0	-.040	-.020	-.50	400.0	20.0	.300	460.0	110.0	73.0	84.0
	5			.400.0	.300	-.020	-.50	370.0	30.0	.600	410.0	110.0	71.0	88.0
	8			.400.0	-.050	-.020	-.50	320.0	77.0		460.0	100.0	57.0	76.0
	80	1		.390.0	.600	-.020	-.50	280.0	110.0	1.000	510.0	100.0	89.0	57.0
	4			.410.0	-.040	-.020	-.50	370.0	40.0		370.0	110.0	57.0	53.0
81	7			.400.0	.060	-.020	-.50	330.0	70.0		600.0	110.0	78.0	110.0
	10			.390.0	-.040	-.020	-.50	350.0	54.0	.800	390.0	110.0	57.0	62.0
	1			.400.0	-.040	-.020	-.50	350.0	40.0		530.0	100.0	70.0	96.0
	4			.410.0	-.040	-.020	-.50	340.0	56.0		570.0	110.0	72.0	93.0
	6			.410.0	-.040	-.020	-.50	350.0	62.0		530.0	120.0	74.0	91.0
				.410.0	-.040	-.020	-.50	360.0	50.0		540.0	130.0	74.0	92.0

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	Yr	MO	TOTAL ALK (MG/L CACO ₃)	AMMONIA		AS (MG/L)	BA (MG/L)	HCO ₃ (MG/L CACO ₃)	CO ₃ (MG/L CACO ₃)	BH (MG/L)	HARDNESS (MG/L CACO ₃)	NA (MG/L)	MG (MG/L)	CA (MG/L)
				AL (MG/L)	AS N (MG/L)									
WS02	81	10	410.0	-0.100		-0.020	-0.50	330.0	84.0	.400	530.0	120.0	72.0	93.0
WS03	74	10		.300		.003	.01	520.0	-1	.040		200.0	37.0	92.0
	75	9		3.000		.004	.02	460.0	4.0	.080		140.0	94.0	83.0
	76	2		.020		.010	.04	512.0	6.0	.006		131.0	80.0	86.0
	4					.050		510.0	5.0			135.0	91.0	91.0
	5			.040		.001	.01	459.0	2.0	.010		129.0	80.0	84.0
	6					.001		321.0	5.0			129.0	84.0	33.0
	7					.001		537.0				132.0	93.0	74.0
	8					.001		492.0	7.0	.040		138.0	96.0	86.0
	10			.100		.006	.10	404.0	5.0			135.0	83.0	80.0
	77	12	513.0	.200		.020	.50	513.0	1.0		590.0	142.0	93.0	43.0
78	4		440.0	.050		.020	-0.50	440.0	-1.0	.300	540.0	140.0	76.0	85.0
	6		400.0	.300		.020	-0.50	370.0	30.0	.600	430.0	120.0	56.0	72.0
	7		460.0	.100		.020	-0.50	430.0	30.0	.400	550.0	130.0	65.0	80.0
	10		430.0	.030		.020	-0.50	410.0	20.0	.410	540.0	130.0	81.0	89.0
	79	2	450.0	-0.100		.020	-0.50	450.0	-1.0	.500	540.0	140.0	80.0	90.0
	5		410.0	.500		.020	-0.50	390.0	25.0	.600	570.0	120.0	71.0	86.0
	8		400.0	.100		.020	.50	360.0	40.0		510.0	120.0	70.0	76.0
	80	1	400.0	-0.100		.020	-0.50	300.0	100.0	1.000	540.0	110.0	98.0	57.0
	4		420.0	-0.100		.020	-0.50	420.0	-1.0		370.0	110.0	57.0	53.0
	7		430.0	-0.100		.020	-0.50	380.0	50.0		650.0	120.0	86.0	120.0
81	10		420.0	-0.100		.020	-0.50	430.0	-1.0	.700	370.0	110.0	55.0	59.0
	4		420.0	-0.100		.020	-0.50	420.0	-1.0		580.0	120.0	82.0	99.0
	4		430.0	-0.100		.020	-0.50	430.0	-1.0		700.0	130.0	91.0	110.0
	10		450.0	-0.100		.020	-0.50	400.0	-1.0	.500	610.0	150.0	88.0	100.0
	WS04	74	10	.100		.003	.05	480.0	-1	.030		90.0	93.0	66.0
	75	9		.300		.005	.02	420.0	7.0	.020		100.0	77.0	77.0
	76	5		.090		.005	.02	451.0		.020		129.0	76.0	78.0
	78	8	360.0	.100		.020	-0.50	340.0	20.0	.500	500.0	120.0	57.0	76.0
	10		320.0	.100		.020	-0.60	300.0	20.0	.840	460.0	120.0	66.0	44.0
	79	2	420.0	-0.100		.020	-0.40	400.0	20.0	.300	350.0	120.0	70.0	90.0
	5		400.0	.300		.020	-0.50	390.0	12.0	.300	650.0	110.0	98.0	117.0
	8		390.0	-0.100		.020	-0.50	340.0	48.0		470.0	100.0	57.0	74.0

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L)		AMMONIA (MG/L)		AS (MG/L)	BA (MG/L)	HCO ₃ (MG/L)		CO ₃ (MG/L)	BR (MG/L)	HARDNESS (MG/L)	NA (MG/L)	MG (MG/L)	CA (MG/L)
			AL	AS N	AS N	AS	BA	HCO ₃	CAC03	CAC03	CAC03	CAC03	CAC03	CAC03	CAC03	CAC03
WS04	80	1	410.0	-110	.600	-.020	-.50	360.0	54.0	.800	510.0	110.0	90.0	58.0		
		4	410.0	-110	-.040	-.020	-.50	370.0	32.0		330.0	99.0	53.0	47.0		
		7	410.0	-101	-.040	-.020	-.50	320.0	90.0		620.0	110.0	77.0	120.0		
		10	390.0	-110	.200	-.020	-.50	360.0	48.0		350.0	90.0	50.0	58.0		
81	1	400.0	-110	-.040	-.020	-.50	340.0	50.0	.500		520.0	110.0	69.0	94.0		
		4	410.0	-110	-.040	-.020	-.50	380.0	20.0		600.0	120.0	73.0	100.0		
		6	410.0	-110	-.040	-.020	-.50	380.0	32.0		540.0	130.0	76.0	92.0		
		10	420.0	-110	.050	-.020	-.50	370.0	48.0	.400	540.0	120.0	73.0	94.0		
WS06	74	10	1.000	1.000	-.100	.030	.03	560.0	-.1	.030	160.0	63.0	100.0			
	75	5		.400	.400	.002	.06	610.0	4.0	.030	140.0	85.0	96.0			
	76	5		.020	.020	.001	.01	537.0		.020	140.0	100.0	97.0			
		10		.070	.100	.003	.10	465.0	2.0	.020	133.0	79.0	81.0			
	77	12	693.0	.100	-.040	.020	2.00	693.0	1.0		590.0	143.0	93.0	39.0		
	78	6	530.0	.300	-.040	-.020	.50	500.0	30.0	.800	600.0	150.0	92.0	84.0		
	10	930.0	.100	-.040	-.020	-.50	900.0	30.0	.800		460.0	130.0	80.0	97.0		
79	2	500.0	.200	-.040	-.020	-.50	500.0	-.10	-.100		520.0	140.0	90.0	90.0		
	5	470.0	-110	.200	-.020	-.50	440.0	30.0	.600		590.0	120.0	94.0	98.0		
	8	470.0	-110	-.050	-.020	.50	430.0	40.0			540.0	120.0	74.0	84.0		
	10	1.0														
80	1	440.0	-110	-.040	-.020	.50	380.0	60.0	.600		540.0	110.0	93.0	63.0		
		460.0	-110	.100	-.020	-.50	440.0	24.0			400.0	120.0	62.0	59.0		
	4	490.0	-110	-.040	-.020	-.50	450.0	40.0			650.0	130.0	89.0	110.0		
	7	500.0	-110	-.040	-.020	-.50	440.0	56.0			450.0	140.0	69.0	66.0		
	10	490.0	-110	-.040	-.020	-.50	490.0	-1.0	.700		630.0	130.0	87.0	110.0		
81	1	490.0	-110	-.040	-.020	-.50	490.0	-1.0			700.0	140.0	90.0	110.0		
	4	500.0	-110	.040	-.020	-.50	480.0	22.0			660.0	150.0	94.0	110.0		
	6	500.0	-110	-.040	-.020	-.50	500.0	-1.0			630.0	150.0	87.0	110.0		
	10	510.0	-110	.070	-.020	-.50	470.0	36.0	.500		640.0	140.0	89.0	110.0		
WS07	74	10	.400	-.100	-.100	.004	.01	520.0	-.1	.010	150.0	64.0	120.0			
	75	9	.200	.200	.200	.003	.03	500.0	3.0	.050	130.0	92.0	80.0			
	76	5				.001	.05	518.0		.004	133.0	82.0	79.0			
	10	1.000	1.000	-.100	.002	.06	.06	431.0	4.0	.020	130.0	85.0	76.0			

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BH (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
#507	77	12	570.0	.100		.020	2.00	570.0	1.0		570.0	127.0	73.0	42.0
	78	4	500.0	.040	.280	-.020	-.50	500.0	-1.0	.400	640.0	140.0	88.0	100.0
	79	10	510.0	.100	1.200	-.020	.50	460.0	50.0	.400	610.0	130.0	70.0	110.0
	79	2	490.0	.100	4.500	.020	-.50	470.0	20.0	.650	540.0	130.0	81.0	94.0
	79	5	490.0	.100	-.040	-.020	-.50	490.0	-1.0	.300	540.0	130.0	80.0	90.0
	79	8	470.0	.100	.300	-.020	-.50	430.0	42.0	.900	570.0	120.0	94.0	95.0
	80	1	460.0	-.100	.050	-.020	.50	430.0	30.0		550.0	120.0	72.0	86.0
	80	1	440.0	-.100	-.040	-.020	-.50	350.0	90.0	.700	570.0	120.0	100.0	63.0
	81	4	480.0	-.100	-.040	-.020	.50	480.0	-1.0		440.0	130.0	70.0	62.0
	81	7	480.0	-.100	-.040	-.020	-.50	420.0	60.0		680.0	140.0	94.0	120.0
#508	74	10	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		410.0	130.0	61.0	63.0
	75	9	470.0	-.100	-.040	-.020	-.50	470.0	-1.0	.800	640.0	120.0	90.0	110.0
	76	10	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		690.0	140.0	89.0	110.0
	78	7	480.0	-.100	-.040	-.020	-.50	480.0	-1.0		660.0	140.0	93.0	110.0
	79	6	490.0	-.100	-.040	-.020	-.50	490.0	-1.0		640.0	130.0	88.0	110.0
	79	8	490.0	-.100	.040	-.020	-.50	490.0	-1.0	.500	630.0	140.0	86.0	110.0
	80	1	470.0	-.100	.100		.06	610.0	-1.0	.040		140.0	63.0	140.0
	81	4	430.0	.100	.200	.010	.04	450.0	4.0	.010		110.0	84.0	78.0
	81	7	480.0	.200	-.100	.002	.05	424.0	5.0	.030	570.0	111.0	78.0	84.0
	81	8	430.0	.100	.640	-.020	.50	310.0	170.0	.700	510.0	140.0	62.0	92.0
#509	74	10	470.0	-.100	-.050	-.020	.50	380.0	48.0		580.0	120.0	61.0	83.0
	75	9	430.0	-.100	-.040	-.020	.50	410.0	60.0	.400	580.0	120.0	100.0	67.0
	76	2	480.0	-.100	.100	-.020	-.50	430.0	-1.0		400.0	120.0	61.0	59.0
	77	7	480.0	-.100	-.040	-.020	-.50	410.0	70.0		640.0	120.0	85.0	120.0
	78	4	470.0	-.100	-.040	-.020	-.50	480.0	-1.0		430.0	120.0	65.0	66.0
	79	8	470.0	-.100	.070	-.020	-.50	470.0	-1.0		630.0	140.0	86.0	110.0
	80	1	470.0	-.100	.100	.002	.05	520.0	-1.0	.020		150.0	46.0	130.0
	81	4	430.0	.004	-.020	.002	.05	590.0	3.0			130.0	79.0	100.0
	81	7	480.0	.010	-.050	-.050	.02	537.0	4.0	.010		120.0	80.0	92.0
	81	8	430.0	.010	.300	.001		580.0	3.0	.010		124.0	91.0	102.0

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L)		AMMONIA AS N (MG/L)		AS (MG/L)	BA (MG/L)	HC03 (MG/L)		CO3 (MG/L)	BR (MG/L)	HARDNESS (MG/L)		NA (MG/L)	MG (MG/L)	CA (MG/L)
			MG/L	CAC03	AL (MG/L)	AS N (MG/L)			MG/L	CAC03			MG/L	CAC03			
WS09	76	7				.020			604.0						120.0	94.0	82.0
	76	8				.120	.001		321.0		2.0				68.0	51.0	54.0
	76	9				.020	.001		571.0						120.0	84.0	99.0
	76	10			.030	-.100	.005	.04	406.0		5.0	.010			118.0	81.0	76.0
	77	12	665.0		.200		.020	.50	665.0		1.0		600.0		140.0	74.0	42.0
	78	6	480.0		.400		-.020	-.50	480.0		-1.0	.100	440.0		130.0	87.0	93.0
	78	10	400.0		.040		-.020	.59	380.0		20.0	.560	520.0		120.0	78.0	110.0
	79	2	500.0		.200		-.020	-.50	500.0		-1.0	.600	570.0		120.0	80.0	100.0
	79	5	470.0		.100		-.020	-.50	440.0		32.0	.400	590.0		110.0	93.0	104.0
	79	8	470.0		-.100		-.020	.50	405.0		65.0		550.0		110.0	63.0	88.0
WS10	80	1	470.0		-.100		-.040	-.020	410.0		56.0	.900	580.0		110.0	100.0	67.0
	80	4	480.0		-.100		-.040	-.020	480.0		-1.0		430.0		120.0	65.0	65.0
	80	7	480.0		-.100		-.040	-.020	430.0		60.0		680.0		130.0	89.0	120.0
	80	10	420.0		-.100		-.040	-.020	420.0		58.0		440.0		120.0	65.0	67.0
	81	1	490.0		-.100		-.040	-.020	420.0		-1.0	.400	610.0		100.0	81.0	110.0
	81	4	490.0		-.100		-.040	-.020	490.0		-1.0		690.0		130.0	82.0	120.0
	81	6	480.0		-.100		-.040	-.020	480.0		-1.0		630.0		130.0	86.0	110.0
	81	10	480.0		-.100		-.040	-.020	490.0		-1.0		650.0		150.0	86.0	120.0
	81	10	480.0		-.100		.050	-.020	450.0		34.0	.800	630.0		120.0	81.0	120.0
	81	10	480.0		-.100		.050	-.020	450.0		34.0	.800	630.0		120.0	81.0	120.0
WS10	74	10			2.000		.100	.002	540.0		-.1	.010			120.0	28.0	160.0
	75	5			.020		.001		540.0						110.0	75.0	100.0
	75	9			1.000		.200	.001	460.0		3.0	.050			110.0	81.0	84.0
	76	5			.030		.300	.001	445.0			.009			112.0	69.0	77.0
	76	6					.010	.001	353.0		3.0				111.0	76.0	28.0
	76	7					.010		543.0						109.0	86.0	72.0
	77	12			.030		-.100	.002	365.0		6.0	.020			110.0	76.0	71.0
	77	12	636.0		.200		.020	.50	636.0		1.0		580.0		120.0	72.0	49.0
	78	6	463.0		.100		-.040	-.020	459.0		4.0	.400	360.0		120.0	13.0	89.0
	78	10	340.0		.100		.050	-.020	310.0		30.0	.910	530.0		110.0	75.0	100.0
WS10	79	2	490.0		.200		.150	-.020	490.0		-1.0	.600	570.0		110.0	70.0	95.0
	79	5	440.0		-.100		.500	-.020	400.0		45.0	.600	550.0		110.0	90.0	110.0
	79	8	440.0		-.100		.150	-.020	390.0		48.0		530.0		110.0	62.0	83.0
	80	1	450.0		-.100		-.040	-.020	350.0		96.0	.700	570.0		100.0	100.0	66.0
WS10	80	1	460.0		-.100		.090	-.020	460.0		-1.0		410.0		110.0	62.0	64.0
	80	1	460.0		-.100		.090	-.020	460.0		-1.0		410.0		110.0	62.0	64.0

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCU3 (MG/L CACU3)	CU3 (MG/L CACU3)	BR (MG/L)	HARDNESS (MG/L CACU3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WS10	80	4	450.0	-100	.200	-.020	-.50	360.0	90.0		500.0	120.0	78.0	72.0
	7		450.0	1.000	-.040	-.020	-.50	390.0	60.0		410.0	110.0	60.0	66.0
	10		450.0	-100	-.040	-.020	-.50	450.0	-1.0	.700	580.0	100.0	74.0	110.0
	81	1	460.0	-100	.060	-.020	-.50	460.0	-1.0		660.0	120.0	76.0	120.0
	4		470.0	-100	-.040	-.020	-.50	450.0	20.0		620.0	120.0	84.0	110.0
WS11	6		490.0	-100	-.040	-.020	-.50	440.0	48.0		610.0	140.0	81.0	110.0
	10		470.0	-100	.050	-.020	-.50	470.0	-1.0	.600	640.0	120.0	83.0	120.0
	75	5	470.0	-100	-.040	-.020	-.50	650.0	-.1		410.0	240.0	78.0	48.0
WS12	80	7	470.0	-100	-.040	-.020	-.50	470.0	-1.0		590.0	110.0	59.0	66.0
	10		510.0	-100	-.040	-.020	-.50	450.0	-1.0	.700	670.0	120.0	77.0	71.0
	81	1	660.0	-100	-.040	-.020	-.50	460.0	-1.0		620.0	120.0	84.0	120.0
	4		650.0	-100	-.040	-.020	-.50	470.0	-1.0		610.0	130.0	81.0	110.0
	6		690.0	-100	-.040	-.020	-.50	430.0	44.0	.600	620.0	120.0	79.0	120.0
WS36	80	7	470.0	-100	-.040	-.020	-.50	470.0	-1.0		360.0	140.0	52.0	57.0
	10		510.0	-100	-.040	-.020	-.50	480.0	30.0	-.100	520.0	120.0	74.0	86.0
	81	1	660.0	-100	-.040	-.020	-.50	660.0	-1.0		630.0	210.0	81.0	100.0
	4		650.0	-100	-.040	-.020	-.50	620.0	26.0		540.0	240.0	77.0	88.0
	6		690.0	-100	-.040	-.020	-.50	640.0	50.0	.500	480.0	250.0	69.0	80.0
WS66	80	4	430.0	-100	.040	-.020	-.50	630.0	100.0		470.0	260.0	61.0	88.0
	7		430.0	-100	.040	-.020	-.50	310.0	120.0		610.0	120.0	83.0	110.0
	10		430.0	-100	.100	-.020	-.50	340.0	88.0		420.0	120.0	63.0	64.0
	81	1	430.0	-100	-.040	-.020	-.50	380.0	46.0	.700	550.0	100.0	77.0	94.0
	4		420.0	-100	-.040	-.020	-.50	370.0	56.0		620.0	130.0	79.0	110.0
WS66	6		440.0	-100	-.040	-.020	-.50	340.0	80.0		600.0	130.0	86.0	100.0
	10		440.0	-100	-.040	-.020	-.50	360.0	82.0		580.0	140.0	60.0	100.0
	7		490.0	.100	.040	-.020	-.50	430.0	60.0	.700	600.0	130.0	80.0	110.0

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SPRINGS

SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SH (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS01	74	10	8.10				1.5	1.40	1100.0	1.0	440.0	4.0		-.010	.040
	76	5	.010	6.58			1.5	.03	898.0	1.7	373.0	3.5		.070	.040
	10	6	.040				1.0	.02	839.0	1.4	397.0	4.0			
	77	12	.020	4.30	7.0	.0140	1.0	.04	948.0	1.2	401.0	8.0	40.0	.030	.040
	78	10	.020	11.00	10.0	.0020	1.5	.19	-1	5.1	280.0	8.5	6.0	.020	.020
	79	2	-.020	50.00	20.0	.0050	2.0	-.04	-1	7.0	360.0	8.2	4.0	-.020	.020
	5	8	.036	4.20	18.0	.0100	2.1	.10		5.0	360.0	8.0	4.2	-.020	.020
	8	8	-.020	-.10	-1.0	.0020	2.0	.10	960.0	4.0	350.0	14.0	13.0	-.020	.020
	21									4.0	370.0	11.0			
	80	1	.040	-.10	10.0	.6900	2.0	.10	1000.0	6.1	430.0	37.0	3.0	-.020	-.020
WS02	74	10		5.40			1.7	.10	980.0	5.4	440.0	14.0	16.0	-.020	.020
	75	9	.040	.20			1.5	.10	950.0	5.0	330.0	40.0	2.0	-.020	.020
	76	5	-.020				3.2	-.10	1100.0	5.9	270.0	6.4	13.0	.020	.020
	10	6	.020	2.10		.0220	1.4	.10	970.0	4.7	340.0	6.6	-1.0	-.020	.020
	78	6	-.020	4.40	-1.0	.0430	1.9	.20	920.0	3.0	290.0	7.9	2.0	-.020	.020
	10	10	-.020	4.80	10.0	.0030	1.0	.19	-1	7.0	360.0	7.8	-1.0	-.020	.020
	79	2	-.020	8.00	9.0	.0060	.9	-.04		5.0	320.0	7.0	10.0	-.020	.020
	5	8	.300	-.10	31.0	.0050	2.1	1.00	880.0	4.1	270.0	2.0	2.1	-.020	.020
	8	8	-.020	-.10	-1.0	.0030	1.0	.20	780.0	5.8	350.0	10.0	15.0	-.020	.020
	80	1	.030	-.10	11.0	.0060	.8	.20	780.0	5.8	350.0	12.0	5.0	-.020	.020
	4	4	.060	-.10	7.0	.0060	.7	.10	780.0	5.8	360.0	13.0	1.0	.020	.020
	7	7	-.010	17.00	1.0	.0040	.9	-.10	850.0	4.8	290.0	53.0	35.0	-.020	.020
	10	10	-.010	2.70	-1.0	-.0010	2.4	.10	860.0	5.4	260.0	6.0	4.0	-.020	.020
	81	1	-.010	3.50	2.0	.0010	.8	.20	880.0	4.7	210.0	5.6	-1.0	-.020	.020
	4	4	-.010	3.30	-1.0	-.0010	1.1	-.10	820.0	3.0	230.0	7.6	-1.0	-.020	.020
	8	8	-.010	1.80	2.0	-.0010	1.1	.10	840.0		260.0	7.3	-1.0	-.020	.020
	6	6	-.010	3.60	-10.0	-.0010	4.2	-.10	830.0	2.7	350.0	5.7	-50.0	-.020	.020

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MU	OIL AND GREASE		PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS		SH (MG/L)	SU ₄ (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
			MU (MG/L)	NO ₃ (MG/L)				SOLIDS (MG/L)	DISS (MG/L)						
WS02	81	10	-.010	2.50	-10.0	.0030	1.0	-1.0	850.0	6.8	290.0	6.2	-50.0	-.020	-.020
WS03	74	10		5.60				1.10	970.0	2.0	370.0	5.0		-.010	.030
	75	9	.050	8.10		2.0		.40	1130.0	2.0	400.0	5.0		-.010	.040
	76	2	.040	.51		1.7		.05	967.0	1.6	387.0	8.0		.100	.020
	4			-.03		1.8			1030.0	1.6	435.0	5.0			
	5	-.020		.80		1.5		.07	941.0	1.7	398.0	6.2		.080	.010
	6			3.40		1.7			846.0	1.4	415.0	5.0			
	7			5.72		1.6			1003.0	2.0	417.0	4.0			
	8			1.87		1.9			1015.0	1.9	415.0	7.0			
	10	.040		1.20		1.8			960.0	1.2	424.0	15.0		.020	.090
	77	12	.020	4.40	12.0	1.7		.04	-1	5.4	218.0	9.0	32.0	.040	.020
78	4	-.020	4.00	9.0	10.0	2.0		.04	-1	3.0	320.0	8.0	16.0	-.020	-.020
	6	-.020	4.40	9.0	9.0	.6		.04	-1	5.0	430.0	6.0	-1.0	-.020	-.100
	7	-.020	3.80	3.0	3.0	2.4		.04	-1	5.0	400.0	8.0	20.0	-.020	-.100
	10	-.020	23.00	10.0	10.0	1.7		.05	-1	6.0	890.0	7.0	2.0	-.020	-.020
	79	2	-.020	8.00	3.0	2.0		-.04		5.0	400.0	8.0	4.0	-.020	-.020
5		.200	2.10	26.0	26.0	2.5		.10		4.2	370.0	9.0	2.1	-.020	-.020
8		.030	-.10	1.0	1.0	1.8		.15	1000.0	4.7	400.0	12.0	2.8	-.020	-.020
80	1	.060	-.10	8.0	8.0	1.4		.10	890.0	5.7	340.0	47.0	3.0	-.020	-.020
	4	.020	-.10	4.0	4.0	1.2		.10	890.0	5.3	420.0	13.0	-1.0	.020	-.020
	7	-.010	17.00	2.0	2.0	2.3		-.10	980.0	5.0	340.0	42.0	2.0	-.020	-.020
	10	-.010	1.80	8.0	8.0	3.2		-.10	960.0	4.3	250.0	7.4	2.0	-.020	-.020
	81	1	-.010	2.40	12.0	1.8		.20	980.0	5.0	460.0	11.0	-1.0	-.020	-.020
	4	-.010	2.20	4.0	4.0	2.5		.10	940.0	3.0	380.0	8.9	1.0	-.020	-.020
	10	-.010	1.40	-1.0	-1.0	3.0		-.10	1000.0		460.0	9.5	-1.0	-.020	-.020
	74	10	-.010	2.20	-10.0	2.1		-.10	990.0	7.1	380.0	7.4	-50.0	-.020	-.020
	WS04	74	10	6.00				1.20	800.0	4.0	290.0	4.0		-.010	.200
	75	9	.030	7.30		1.5		-.10	840.0	1.0	300.0	4.0		-.010	-.020
	76	5	-.005			1.3		.06	926.0	3.0	401.0	2.0		.070	.050
	78	6	-.020	3.80	-1.0	.8		.20	-1	5.0	390.0	6.0	-1.0	-.020	-.100
	10	-.020	12.00	10.0	10.0	1.0		.59	-1	7.0	150.0	7.0	6.0	-.020	-.020
	79	2	-.020	15.00	5.0	1.0		.20		5.0	240.0	6.0	-1.0	-.020	-.020
	5	.100	-.10	28.0	28.0	3.1		.30		4.7	470.0	3.6	2.1	-.020	-.020
8		-.020	-.10	-1.0	-1.0	1.0		.09	870.0	4.0	320.0	9.0	12.0	-.020	-.020

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	MO (MG/L)	OIL AND GREASE (MG/L)		PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SH (MG/L)	SO ₄ (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
WS04	80	1	-.020	-.10	5.0	-.0010	1.0	.10	816.0	6.0	390.0	30.0	3.0	-.020	-.020

			.050	-.10	2.0	-.0010	.9	.10	860.0	5.1	350.0	14.0	4.0	-.020	-.020
	4		-.010	16.00	-1.0	.0010	1.2	-.10	880.0	4.9	310.0	43.0	21.0	-.020	-.020
	7		-.010	2.70	-1.0	.0100	3.6	.10	1200.0	4.4	230.0	8.8	8.0	.030	.040
	10		-.010	3.10	3.0	-.0010	.9	-.10	870.0	4.7	270.0	6.1	-1.0	-.020	-.020
	81	1	-.010	3.10	3.0	.0030	1.3	.10	850.0	3.2	260.0	7.4	6.0	-.020	-.020
	4		-.010	1.60	-1.0	-.0010	1.4	.10	880.0		350.0	6.4	-1.0	-.020	-.020
	6		-.010	3.10	-10.0	.0250	3.8	.10	850.0	2.7	360.0	6.3	-50.0	-.020	-.020
	10		-.010	3.10	-10.0	-.0010	1.2	.30	860.0	6.8	320.0	6.1	-50.0	-.020	-.020
WS06	74	10	.010	2.70				1.60	900.0	5.0	360.0	-4.0		.010	.050
	75	5		.80			2.3	.10		4.5	360.0	11.0			
	9		.050	.70			2.2	1.10	960.0	2.0	350.0	10.0		-.010	.030
	76	5	-.030				2.0	.04	934.0	2.1	346.0	9.7		.050	.007
	10		.020	1.60		.0090	2.0	.10	938.0	1.7	374.0	17.0		.020	.020
	77	12	.020	3.40	4.0		1.8	.04	-1	6.6	387.0	12.0	32.0	.020	.020
	78	6	-.020	3.80	-1.0	.0030	2.5	.09	-1	6.0	320.0	11.0	-1.0	-.020	-.100
	10		-.020	2.30	20.0	.0020	1.8	.23	-1	7.0	320.0	11.0	8.0	-.020	-.020
	79	2	-.020	6.00	40.0	.0070	2.0	-.04		6.0	340.0	11.0	10.0	-.020	-.020
	5		.300	-1.0	32.0	.0070	2.4	.04		5.5	350.0	21.0	-1	-.020	.030
WS07	8		.020	-1.0	-1.0	.0100	2.0	.17	1000.0	5.8	360.0	18.0	17.0	-.020	-.020
	10														
	80	1	.020	-.10	1.0	.0090	1.8	.10	960.0	6.7	350.0	21.0	5.0	-.020	-.020

	4		.040	-.10	1.0	.0060	2.5	.10	910.0	6.2	380.0	18.0	2.0	-.020	-.020
	7		-.010	26.00	-1.0	.0010	2.1	.10	1000.0	6.1	390.0	57.0	2.0	-.020	-.020
	10		.020	4.40	-1.0	.0030	4.5	.10	1100.0	7.0	360.0	14.0	5.0	-.020	-.020
	61	1	-.010	2.60	2.0	.0030	2.0	.10	1000.0	6.2	420.0	12.0	-1.0	-.020	-.020
	4		-.010	2.40	-1.0	.0020	2.8	.10	1000.0	3.8	280.0	13.0	-1.0	-.020	-.020
	6		-.010	1.00	4.0	.0010	3.0	.20	1100.0		340.0	12.0	-1.0	-.020	-.020
WS07	74	10		3.10	-10.0	.0030	4.6	.10	990.0	3.6	380.0	11.0	-50.0	-.020	-.020
	75	9		1.70	-10.0	-.0010	2.2	.10	1000.0	8.4	360.0	6.5	-50.0	-.020	-.020
	76	5	.010	2.90			1.9	1.60	970.0	2.0	380.0	-4.0		-.010	.030
	10		.020	6.90		.0070	1.4	.20	1100.0	1.0	380.0	10.0		-.010	.010
							1.5	.02	932.0	2.3	357.0	6.2		.030	.009
									921.0	1.8	381.0	11.0		.005	.040

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SPRINGS

SPRING	YR	MO	NO	NO3	OIL AND GREASE	PHENOLS	K	B	TOTAL DISS SOLIDS	SM	SO4	CL	COU	CH	CU
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WS07	77	12	.020	.90	1.0		1.7	.04	-.1	6.0	156.0	12.0	4.0	.020	.020
	78	4	-.020	2.00	2.0	.0040	2.0	-.04	-.1	6.0	320.0	11.0	12.0	-.020	-.020
		7	-.020	1.80	3.0	.0100	2.1	.04	-.1	6.0	330.0	11.0	-1.0	-.020	-.100
		10	-.020	4.30	7.0	.0010	1.4	.16		8.0	910.0	9.5	20.0	-.020	-.020
	79	2	-.020	3.00	45.0	.0070	2.0	.20		7.0	370.0	10.0	2.0	-.020	-.020
		5	-.020	-1.0	5.0	.0030	2.8	-.40		5.4	350.0	8.0	4.2	-.020	-.020
		8	.020	-1.0	1.0	.0200	1.7	.15	1000.0	6.2	370.0	16.0	5.6	-.020	-.020
	80	1	.020	-1.0	8.0	.0060	1.7	.10	1000.0	7.4	420.0	29.0	5.0	-.020	-.020

			.070	-1.0	2.0	-.0010	1.8	.10	950.0	7.7	410.0	18.0	20.0	-.020	-.020
	4		-.010	12.00	3.0	.0010	1.8	.10	1000.0	6.6	370.0	48.0	2.0	-.020	-.020

	7	.010	8.60	4.0	.0030	.0030	3.5	.10	1000.0	6.9	330.0	12.0	8.0	-.020	-.020
	10	-.010	3.10	2.0	.0030	.0030	1.5	.20	1000.0	6.7	450.0	13.0	4.0	-.020	-.020
	81	1	-.010	2.20	-1.0	.0020	2.2	-.10	1000.0	4.1	360.0	14.0	-1.0	-.020	-.020
	4	-.010	1.00	2.0	-.0010	.0010	2.6	.20	1000.0		370.0	13.0	-1.0	-.020	-.020
	6	-.010	3.50	-10.0	-.0010	.0010	5.0	.10	990.0	3.8	390.0	11.0	-50.0	-.020	-.020
	10	-.010	2.10	-10.0	.0030	.0030	1.8	.10	1000.0	8.4	320.0	12.0	-50.0	-.020	-.020
	WS08	74	10	.060	1.10			.20	1000.0	3.0	350.0	-4.0		-.010	.200
	75	9	.020	4.80			2.0	.20	1000.0	4.0	330.0	8.0		-.010	.010
	76	10	.010	.85		.0370	1.7	.04	872.0	1.6	354.0	10.0	-1.0	.006	.010
	78	7	-.020	3.10	-1.0	.0020	2.2	.04		6.0	300.0	11.0	-1.0	-.020	-.100
	79	8	-.020	-1.0	2.0	-.0010	2.0		960.0	5.0	350.0	17.0	45.0	-.020	-.020
	80	1	.080	-1.0	4.0	-.0010	1.8	.10	1000.0	7.3	440.0	18.0	3.0	.020	-.020
			.040	-1.0	2.0	.0070	1.6	.10	940.0	6.5	410.0	34.0	-1.0	.020	-.020
	4	-.010	23.00	1.0	-.0010	.0010	1.7	.10	1000.0	6.0	330.0	82.0	-1.0	-.020	-.020
	7	.010	8.60	-1.0	-.0010	.0010	3.7	.10	1000.0	6.7	250.0	12.0	4.0	-.020	-.020
	81	4	-.010	1.40	3.0	-.0010	2.8	.10	1000.0		290.0	12.0	-1.0	-.020	-.020
	WS09	74	10	.200	1.70			.40	950.0	1.0	350.0	-4.0		-.010	.100
	75	9	.030	.30			1.3	.30		4.4	340.0	9.0			
	76	2	.030	-.03			1.1	.02	945.0	1.2	358.0	10.0		.010	.040
	4						1.1		1003.0	1.8	370.0	7.0			
	5	-.009	.12		-.0100		1.1	.08	865.0	2.1	318.0	5.3		.060	.020
	6		.56				1.1		845.0	1.7	362.0	9.0			

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SPRING	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND		K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	CUO (MG/L)	CR (MG/L)	CU (MG/L)
					GREASE (MG/L)	PHENOLS (MG/L)									
WS09	76	7		.34			1.3		984.0	2.4	356.0	11.0			
	8			-.02			.6		547.0	1.4	196.0	2.0			
	9			-.04			1.0		986.0	2.2	366.0	7.0			
	10		.020	.75		.0310	1.0	.06	860.0	1.4	350.0	9.0		.010	.030
	77	12	.020	1.50	1.0		1.5	.04	-1	6.4	190.0	11.0	4.0	.020	.020
	78	6	-.020	4.20	-1.0	.0050	1.3	-.04	-1	6.0	310.0	10.0	16.0	-.020	-.100
	10		-.020	-1.0	10.0	.0120	1.2	.32	-1	8.0	290.0	10.0	2.0	-.020	-.020
	79	2	-.020	1.00	3.0	.0080	1.0	-.04		6.0	340.0	11.0	-1.0	-.020	-.020
	5		-.020	-1.0	6.0	-.0010	2.0	.20		5.1	340.0	8.0	-1	-.020	-.020
	8		-.020	-1.0	-1.0	-.0010	1.0		980.0	5.0	336.0	12.0	4.0	-.020	-.020
WS10	80	1	.040	-.10	2.0	.0130	1.1	.10	1000.0	7.1	420.0	39.0	2.0	.020	-.020

			.050	-.10	8.0	.0030	1.1	.10	960.0	6.8	410.0	16.0	-1.0	.020	-.020
	4		-.010	19.00	-1.0	.0010	1.3	.10	990.0	6.2	330.0	70.0	-1.0	-.020	-.020
	7		.010	1.00	-1.0	.0010	3.0	-.10	960.0	6.6	250.0	10.0	6.0	.020	.020
	10		-.010	1.30	6.0	.0030	1.1	.10	890.0	6.0	290.0	10.0	-1.0	-.020	-.020
	81	1	-.010	1.30	2.0	-.0010	1.6	.10	1000.0	3.8	330.0	12.0	-1.0	-.020	.020
	4		.010	-.50	4.0	.0010	1.7	.20	990.0		300.0	11.0	-1.0	-.020	.020
	6		-.010	1.10	-10.0	-.0010	4.6	-.10	930.0	3.5	390.0	9.7	-50.0	-.020	-.020
	10		-.010	1.10	-10.0	.0010	1.3	.10	960.0	8.0	360.0	11.0	-50.0	-.020	-.020
WS10	74	10	.020	.10				.60	910.0	1.0	310.0	1.0		-.010	.030
	75	5		.60		-.0100	1.3	.10		3.8	320.0	9.0			
	9			1.80			1.2	.10	940.0	3.0	320.0	6.0		-.010	.003
	76	5		.80			1.1	.06	810.0	1.7	310.0	5.3		.080	.030
	6			1.92			1.1		756.0	.6	342.0	7.0			
	7		.28				1.1		898.0	1.9	341.0	6.0			
	10		.050	.74		.0070	1.0	.20	808.0	1.4	329.0	18.0		.010	.030
	77	12	.020	2.40	2.2		1.4	.04	-1	5.5	354.0	12.0	4.0	.020	.020
	78	6	-.020	4.00	13.0	.0080	1.3	.10	-1	5.0	380.0	8.0	28.0	-.020	-.100
	10		.100	4.30	4.0	.0030	1.2	.48	-1	7.0	440.0	9.4	2.0	-.020	-.020
WS10	79	2	-.020	2.00	20.0	.0200	1.0	.08		5.0	330.0	10.0	2.0	-.020	-.020
	5		-.020	-1.0	18.0	-.0100	1.8	-.04		4.6	330.0	14.0	-1	-.020	.060
	8		-.020	-1.0	1.0	-.0010	1.0		940.0	4.0	330.0	13.0	15.0	-.020	-.020
	80	1	.030	-.10	1.0	.0130	1.2	.10	950.0	6.5	400.0	14.0	5.0	-.020	-.020
WS10			.040	-.10	1.0	-.0010	1.3	.10	870.0	6.2	350.0	15.0	-1.0	-.020	-.020

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SPRINGS

SPRING	YR	MO	MO	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SH (MG/L)	SO4 (MG/L)	CL (MG/L)	CUD (MG/L)	CR (MG/L)	CU (MG/L)
#510	80	4	-.010	12.00	-1.0	.0030	3.0	.10	970.0	2.0	290.0	47.0	2.0	-.020	-.020
		7	.010	-.50	3.0	-.0010	2.8	.10	910.0	5.9	240.0	10.0	4.0	-.020	-.020
	81	10	-.010	1.60	7.0	-.0010	1.1	.20	950.0	5.2	380.0	10.0	-1.0	-.020	-.020
		1	-.010	1.60	-1.0	-.0010	1.8	.10	940.0	3.4	250.0	12.0	-1.0	-.020	-.020
	81	4	-.010	-.50	3.0	.0020	1.8	.10	970.0		380.0	11.0	8.0	-.020	-.020
#511		6	-.010	-.50	-10.0	-.0010	3.8	-.10	900.0	3.0	360.0	10.0	-50.0	-.020	-.020
		10	-.010	.90	-10.0	-.0010	1.6	.20	940.0	7.3	280.0	11.0	-50.0	-.020	-.020
	75	5		.50					1100.0		370.0	17.0			
#512	80	7	.010	1.80	6.0	-.0010	2.9	.10	930.0	5.9	240.0	10.0	6.0	-.020	-.020
		10	-.010	1.80	1.0	.0030	1.1	.20	940.0	5.2	380.0	10.0	-1.0	-.020	-.020
	81	1	-.010	1.30	-1.0	-.0010	1.6	.10	940.0	3.4	310.0	13.0	-1.0	-.020	-.020
		4	-.010	.80	1.0	-.0010	1.8	.10	960.0		300.0	10.0	-1.0	-.020	-.020
	81	6	-.010	2.00	-10.0	-.0010	4.6	.10	910.0	3.0	320.0	11.0	-50.0	-.020	-.020
#516		10	-.010	1.80	-10.0	-.0010	1.4	.20	920.0	7.4	350.0	11.0	-50.0	-.020	-.020
	80	7	.020	5.80	3.0	.0050	3.5	.30	950.0	4.0	210.0	12.0	12.0	.020	-.020
		10	.020	3.50	2.0	-.0010	1.9	.20	970.0	4.5	240.0	13.0	-1.0	-.020	-.020
	81	1	.020	6.10	3.0	.0110	3.0	.40	1100.0	3.0	250.0	11.0	22.0	-.020	-.020
		4	.020	3.40	2.0	.0010	3.1	.50	1100.0		240.0	11.0	-1.0	-.020	-.020
#536		6	.020	4.60	-10.0	-.0010	5.8	.40	1000.0	2.4	240.0	9.5	-50.0	-.020	-.020
		10	.010	3.00	-10.0	-.0010	2.5	.40	1000.0	5.9	200.0	10.0	-50.0	-.020	-.020
	80	4	-.010	10.00	1.0	-.0010	1.7	.30	950.0	4.6	280.0	45.0	14.0	-.020	-.020
		7	-.010	1.60	-1.0	-.0010	2.8	.10	950.0	5.3	300.0	6.8	-1.0	.020	-.020
	81	10	-.010	2.90	1.0	-.0010	1.2	.10	960.0	4.7	290.0	6.9	-1.0	-.020	-.020
#566		1	-.010	2.20	2.0	.0120	1.6	.10	940.0	3.0	320.0	6.7	2.0	-.010	-.020
		4	-.010	1.60	4.0	-.0010	1.8	.20	980.0		360.0	6.8	-1.0	-.020	-.020
		6	-.010	3.30	-10.0	-.0010	4.2	-.10	920.0	2.6	390.0	6.4	-50.0	-.020	-.020
		10	-.010	2.00	-10.0	-.0010	1.3	.10	910.0	6.6	340.0	6.8	-50.0	-.020	-.020
	80	7	.010	3.80	-1.0	.0030	6.1	.10	1100.0	6.5	300.0	14.0	16.0	-.020	-.020

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SPRINGS

SPRING	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N (MG/L)	KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
#501	74	10	12.0		-1.10			.00110			.040	-.050	-.50	.200	1.80	.90
	76	5	13.0					.00080			.060	.040	-.50	.003	-.10	.20
	6	13.0			-.02			-.00003					-.50		-.10	.20
	10	17.0		-.100	-.01			.00009	-.004		.100	-.010	-.50	.010	-.10	.20
	77	12				.10				.100	.020	.080	.02	.020	.04	.30
	78	10				.80		-.02000	-.020		.030	.030	-.02	-.020	-.50	.26
	79	2				2.00		-.02000	-.020	-.020	.030	-.020	-.02	.030	.70	.25
	5					1.00		-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.30
	8							-.00004		-.020	-.020	-.020	.02	-.020	.02	.20
	21								-.010							
80	1					.70		-.02000	-.020	-.020	.020	-.020	-.05	-.020	.03	.20
	4					.20		-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.20
	7					.60		.00020	.030	-.010	.010	-.020	-.05	-.020	.02	.40
	10					-.10		-.00020	-.010	-.010	-.020	-.020	-.05	.200	.02	.20
	81	1				.30		-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	4					-.10		-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
	10					.20		-.00020	-.010	-.010	.020	-.020	-.05	-.020	.02	.30
	74	10	13.0		-.10			.00110			.100	.010	-.50	.020	.50	.60
	75	9	15.0		-.10			-.00010			.040	.010	-.50	.010	-.05	.10
	76	5	15.0					-.00003			.020	-.020		.002	-.10	.20
80	10	17.0		-.100	.02			.00189	-.002		.060	.009	-.50	.040	-.10	.20
	78	6						.00300		.200	-.100	-.020	.02	-.100	-.50	.20
	10					.40		-.02000	-.020	-.020	.040	-.020	-.02	-.020	-.50	.22
	79	2				3.00		-.02000	-.020	-.020	-.020	-.020	-.02	.030	-.50	.23
	5					2.00		-.02000	-.020	-.020	-.020	-.050	-.02	.040	-.50	.40
	8					.60		-.00004		-.020	-.020	-.020	.02	-.020	.02	.20
	80	1						-.02000	-.020	-.020	-.020	.040	-.05	-.020	-.02	.30
	4					.30		-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.20
	7					.30		-.00020	.020	-.010	.010	-.020	-.05	-.020	-.02	.40
	10					-.10		-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.30
81	1					.10		-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	4					-.10		-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	6					-.10		-.00020	-.010	-.010	-.090	-.020	-.05	-.020	-.02	.20
	10					.20		-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.30

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SPRINGS

SPRING	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS03	74	10	13.0		-.10		.00200			.300	.020	-.50	.040	4.00	.70
	75	9	16.0		-.10		.00040			.070	.050	-.50	.007	.20	.20
	76	2	14.0		.03		.00003	-.040		.040	.040	-.50	.005	.30	.10
	4	14.0			-.02							-.50		.10	.20
	5	13.0		.030	.06		-.00003			.040	-.030	-.50	.007	.10	.20
	6	14.0			.02		-.00003					-.50		.10	.20
	7	15.0			.03		.00060					-.50		.10	.20
	8	21.0			.02							-.50		.10	.20
	10	17.0		-.100	-.01		.00044	-.004		.060	.008	-.50	.010	.10	.20
	77	12				.10			.100	.020	.200	.02	.020	.03	.20
WS04	74	10	13.0		-.10		.00100			.020	.050	-.05	-.020	-.02	.30
	75	9	15.0		-.10		.00030	-.002		.020	.020	-.05	-.020	-.02	.20
	76	5	15.0							.010	.020	-.05	-.020	.02	.40
	78	6					.00100			.020	.020	-.05	-.020	.02	.30
	10						-.02000	-.020		.020	.020	-.05	-.020	.02	.30
	81	1				4.10	-.02000	-.020		.060	.020	-.02	-.020	.02	.40
	4					3.00	-.02000	-.020		.020	.050	-.02	-.020	.02	.20
	5					2.00	-.02000	-.020		.020	.050	-.02	-.020	.02	.20
	8						.00023			.020	.050	-.02	-.020	.02	.20
	80	1				.30	.00030	-.020		.020	.050	-.05	-.020	.02	.30
WS04	74	10	13.0		-.10		.00100			.100	.040	-.50		7.80	.60
	75	9	15.0		-.10		.00030	-.002		.020	.050	-.50		.05	.10
	76	5	15.0							.030	.010	-.50	.100	.10	.20
	78	6					.00100		.100	.100	.020	.02	-.100	.50	.20
	10					.40	-.02000	-.020	.020	.020	.030	-.02	-.020	.50	.21
	79	2				2.00	-.02000	-.020	.020	.040	.020	-.02	-.020	.50	.19
	5					2.00	-.02000	-.020	.020	.020	.050	-.02	.100	.50	.40
	8						.00040		.010	.020	.020	.02	-.020	.02	.20
						.80	.00030	-.020	.020	.020	.030	-.05	-.020	.02	.30
	80	1				.30	-.02000	-.020	.010	.020	.020	-.05	-.020	.02	.20

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS04	80	4				.80	-.00020	-.020	-.010	.010	-.020	-.05	-.020	-.02	.40
		7				.30	-.00020	-.010	-.010	.040	-.020	-.05	-.020	-.02	.20
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
	81	1				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.030	-.02	.20
		10				.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.30
	WS06	74	10	15.0	-.10		.00170			.400	-.030	-.50	.030	-.05	2.10
		75	5	21.0			.001	.001		.100	-.010	-.50	.010	.01	.60
		9	17.0		-.10		.00020	.004		.020	-.040	-.50	.004	-.05	.40
	76	5	17.0				-.00010			.050	-.005	-.50	.009	-.10	.50
		10	19.0	-.100	-.01	.20	.00013	.008	-.001	.020	.100	.02	.020	.03	.51
		12					.00100		-.020	-.100	-.020	.02	-.100	-.50	.49
	78	6				.50	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.23
		10				3.00	-.02000	-.020	-.020	.040	-.020	-.02	-.020	-.50	.52
	79	2				1.00	-.02000	-.020	-.020	-.020	-.050	-.02	.020	-.50	.50
		5					.00018		-.020	-.020	.040	-.02	-.020	-.50	.50
		8					.00021		-.010						
		10				1.90	-.02000	-.020	-.020	-.020	-.020	-.05	-.020	-.02	.50
	80	1							-.010						
		4				.60	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.40
		7				.20	-.00020	.010	-.010	-.020	-.020	-.05	-.020	-.02	.70
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				.10	-.00020	-.010	-.010	-.020	.030	-.05	-.020	-.02	.50
	81	1				.10	-.00020	-.010	-.010	.020	-.020	-.05	-.020	.03	.40
		4				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.60
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		10				.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.60
	WS07	74	10	16.0	-.10		.00030			.080	.030	-.50	.010	.30	1.50
		75	9	17.0	-.10		-.00010			.020	.010	-.50	.007	-.05	.30
	76	5	16.0				.00003			.030	.030	-.50	.010	-.10	.40
		10	17.0	-.100	-.01	.20	.00011	-.003	.050	-.050	-.004	-.50	.010	-.10	.30
		12				.30	.00100		.050	.020	.200	.02	.020	.02	.40
	78	4				.30	.00100		.040	.020	.100	.02	.070	.02	.53
		7					.00100		.100	-.100	-.020	.02	-.100	-.50	.41
		10				2.40	-.02000	-.020	-.020	.060	-.020	-.02	-.020	-.50	.50

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	SiO ₂ (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	MG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS09	78	6	-0.1				.00100	-.020	-.020	-.100	-.020	.02	-.100	-.50	.40
	10					.50	-.02000	-.020	-.020	.030	-.030	-.02	-.020	-.50	.31
79	2					3.00	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.45
	5					2.00	-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.40
	8						-.00004	-.020	-.020	-.020	-.020	.02	-.020	.04	.40
80	1					.40	-.02000	-.020	-.020	-.020	-.020	-.05	-.020	-.02	.40
	4					.30	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.40
	7					.20	-.00020	.020	-.010	-.020	-.020	-.05	-.020	.02	.70
	10					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
81	1					.10	-.00020	-.010	-.010	.060	-.020	-.05	-.020	.03	.50
	4					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
	6					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
	10					.07	-.00020	-.010	-.010	.020	-.020	-.05	-.020	-.02	.50
WS10	74	10	13.0		-.10		.00140			.200	.020	-.50	.060	.47	1.40
	75	5	18.0	.020	.10						.001				.40
	9		16.0		-.10		.00020			.010	.004	-.50	.002	-.05	.30
	76	5	15.0		.06		.00003			.070	.040	-.50	.003	-.10	.40
	6		14.0		-.02		.00003					-.50		-.10	.20
	7		14.0		-.02		-.00003					-.50		-.10	.30
	10		16.0	-.100	-.01		.00013	-.004		.100	-.010	-.50	.008	-.10	.30
	77	12				.10			.200	.020	.200	.02	.020	.06	.43
	78	6				1.75	.00100	-.020	-.020	-.100	-.100	.01	-.100	-.50	.40
	10					.40	-.02000	-.020	-.020	.030	.020	-.02	-.020	-.50	.36
79	2					1.00	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.43
	5					2.00	-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.40
	8						.00002	-.020	-.020	-.020	-.020	-.02	-.020	-.50	.40
						.30	-.00004	-.020	-.010	-.020	-.020	.01	.020	.05	.40
80	1					.30	-.02000	-.020	-.020	-.020	.040	-.05	-.020	-.02	.50
	4					.30	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.40
	7					.50	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.02	.70
	10					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.40
81	1					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
	4					.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.50
	7					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
	6					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40

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CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS07	79	2				3.00	-.02000	-.020	-.020	.030	-.020	-.02	-.020	-.50	.46
		5				1.00	-.02000	-.020	-.020	-.020	-.050	-.02	.030	-.50	.60
		8					-.00004		-.020	-.020	.040	-.02	-.020	-.50	.40
							.00036		-.010						
	80	1				.60	-.02000	-.020	-.020	-.020	.020	-.05	-.020	-.02	.50
						.20	-.02000	-.020	-.010	.020	-.020	-.05	-.020	-.02	.50
		4				.30	-.00020	.010	-.010	.020	-.020	-.05	-.020	-.02	.80
									-.010						
	7					-.10	-.00020	-.010	-.010	-.020	.020	-.05	-.020	.03	.50
	10					-.10	-.00020	-.010	-.010	-.020	.030	-.05	-.020	-.02	.50
WS08	81	1				.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		4				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		6				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				.07	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
	74	10	13.0		-.10		-.00010			.050		-.50	.100	.10	1.70
	75	9	15.0		-.10		-.00010	-.001		.010	-.004	-.50	.040	-.05	.20
	76	10	18.0	-.100	-.01		.00011	-.003		.030	-.008	-.50	.020	-.10	.30
	78	7					.00100		.040	.100	-.020	.02	-.100	-.50	.45
	79	8					-.00002		-.020	-.020	-.020	.02	-.020	.10	.50
							-.00004		-.010						
WS09	80	1				.80	-.02000	-.020	-.020	-.020	.020	-.05	-.020	-.02	.50
						.60	-.02000	-.020	-.010	-.020	-.020	-.05	-.020	-.02	.50
		4				.10	-.00020	.030	-.010	-.020	-.020	-.05	-.020	.02	.70
		7				.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.02	.40
	81	4				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.60
	74	10	14.0		-.10		.00010			.200		-.50	.050	.84	1.50
	75	9	20.0		.03					.010	.001		.020	.01	.50
	76	2	16.0		.02		-.00003	-.003		.100	.040	-.50	.020	.40	.30
		4	17.0		-.02							-.50		.10	.40
		5	16.0	.020	.02		-.00003			.050	-.020	-.50	.006	-.10	.40
		6	17.0		.02		.00003					-.50		-.10	.20
WS09		7	17.0		.03		-.00003					-.50		-.10	.30
		8	15.0		-.02									-.10	.20
		9	19.0		.03									-.10	.40
		10	19.0	-.100	-.01		-.00007	-.006		.100	-.006	-.50	.020	-.10	.20
		12	-.1			.10			.200	.020	.100	.02	.020	-.04	.90

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WS10	81	10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.02	.50
WS11	75	5	21.0		.10	1.20	.00030	-.010	-.010	-.020	.020	-.05	-.020	-.05	.20
	80	7				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.40
	81	1				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.03	.50
		4				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		6				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	-.02	.50
WS12	80	7				.40	-.00020	-.010	-.010	-.020	.020	-.05	-.020	-.02	5.30
	81	1				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.50
		4				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.80
		6				.20	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	1.50
		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	-.02	3.10
WS36	80	4				.50	.00020	.020	-.010	.010	-.020	-.05	-.020	.03	.50
		7				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
	81	1				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
		4				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		6				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40
		10				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
WS66	80	7				.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
						.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.40

NOTE: - INDICATES LESS THAN

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SPRINGS

SPRING	YR	MO	I (MG/L)	Sr (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	M (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS01	74	10					.005		.005	.100	.005		.002	.004	
	76	5								.200	-.005		-.007	.010	
		6													
		10	.004		.002		.010		.002	.200	-.004	-.002	-.006	.020	-.001
	77	12													
	78	10													
	79	2													
		5													
		8													
	21														
WS02	80	1													
		4													
		7													
		10													
	81	1													
		4													
		10													
	74	10				.002	.010			.060	.006			.005	.002
	75	9	.005		.020		.010			.300	-.002		-.005	.005	
	76	5			.003		.002			.200	-.004		-.005	.004	
	78	6	.001		.002		.003		-.001	.040	-.002		.003	.010	
	79	2													
		5													
		8													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		6													
		10													

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	KB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	M (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS03	74	10					.008			.080	.006		.004	.002	
	75	9	.060		.040		.010			.400	-.002			.006	
	76	2	.005		.007	.002	.010			.100	-.008	-.020	-.010	.006	
	4														
	5		.004				.004			.090	-.010		-.008	.009	
	6														
	7														
	8														
	10		.002		.002		.020		-.002	.060	-.002	-.003	.001	.004	-.001
	77	12													
	78	4													
	6														
	7														
	10														
	79	2													
	5														
	8														
	80	1													
	4														
	7														
WS04	74	10				.003	.030	.007	.006	.100	.006		.030	.004	.001
	75	9	.002		.003		.010			.200	-.002		-.005	.005	
	76	5	.001		.002		.001			.300	-.005		-.003	.003	
	78	6													
	10														
	79	2													
	5														
	8														
	80	1													
	4														

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	I (MG/L)	Sr (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	M (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WS04	80	7													
		10													
	81	1													
		4													
		6													
		10													
WS06	74	10	.005				.040	.008	.005	.300	.010		.010	.004	
	75	5													
		9			.002		.010			.100	-.005		-.007	.005	
	76	5	.005							.090	-.020		.002	.003	
		10	.001		.002		.007		-.001	.040	-.002		-.003	.006	
	77	12													
	78	6													
		10													
	79	2													
		5													
WS07		8													
		10													
	80	1													
		4													
		7													
		10													
	81	1													
		4													
		6													
		10													
WS07	74	10	.006				.010		.006	.200	.006		.002	.004	
	75	9	-.001	-.001			.005			.600	-.001			.003	
	76	5	.004						.005	.080	-.006		-.010	.002	
		10	-.001	.001	-.001		.002		-.001	.050	-.002		.003	.010	
	77	12													
	78	4													
		7													
		10													
	79	2													
		5													

NOTE: - INDICATES LESS THAN

CB-IHACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

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NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	I	SA	ZR	Y	KB	GE	GA	TI	SC	M	CO	V	DE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WS09	79	5													
		8													
	80	1													
	81	1													
		4													
		6													
		10													
WS10	74	10	.001			-.001	.005			.020	.004		.002	.002	
	75	5	.004	-.001	.001		.004			.600	-.001		-.001	.002	
	76	5	.004							.400	-.010	.020	-.007	.003	
		6													
		7													
	10		.005		.003		.002		-.002	.070	-.004	-.007	-.005	.005	
	77	12													
	78	6													
		10													
	79	2													
		5													
		8													
	80	1													
	81	1													
		4													
		6													
		10													
WS11	75	5													
	80	7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	I	SB	ZR	Y	RB	GE	GA	T1	SC	M	CU	V	DE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WS11	80	10													
	81	1													
		4													
		6													
		10													
WS12	80	7													
		10													
	81	1													
		4													
		6													
		10													
WS36	80	4													
		7													
		10													
	81	1													
		4													
		6													
		10													
WS66	80	7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH	CH	P-ALKALINITY (MG/L) CAC03	NO-ALKALINITY (MG/L) CAC03	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS01	74	10							3.0			
	76	5							5.0			
		6							6.7			
	77	12										
	78	10							9.1			
	79	2							3.4	6.0		
		5							1.7	46.0	1.0	
		8										
	80	1										
		4							1.2			
		7										
		10							4.0	19.0		
	81	1					-0.10		3.0	2.0		
		4					-0.10			11.0	-0.1	
		10										
WS02	74	10							2.0			
	75	9							1.0	1.0		
	76	5							8.6	3.0		
		10							10.0			
	78	6							2.8	3.0		
		10							1.6	1.0		
	79	2							1.2	2.0		
		5							6.0	14.0		
		8										
	80	1										
		4							2.5			
		7										
		10							5.0	-7.0		
	81	1					-0.10		4.0	3.0		
		4					-0.10					
		6					-0.10					
		10							1.0	6.0		0.3

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CAC03)	MU-ALKALINITY (MG/L CAC03)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS04	80	4										
		7										
		10							3.0	-8.0		
	81	1							3.0	8.0		
		4					-0.10					
		6					-0.10		-1.0	6.0	.2	
WS06		10										
	74	10							3.0			
	75	5							4.0			
		9							5.4	6.0		
	76	5							7.4	7.0		
		10										
WS07	77	12							3.4			
	78	6										
		10							1.6	13.0		
	79	2										
		5							12.0			
		8										
WS07		10										
	80	1										
		4							.3	7.0		
		7										
		10							3.0	-11.0		
	81	1										
WS07		4					-0.10		4.0	10.0		
		6					-0.10					
		10					-0.10		-2.0	4.0	.2	
	74	10							2.0			
	75	9							20.0	30.0		
	76	5							1.7	7.0		
WS07		10							10.0			
	77	12										
	78	4										
		7										
		10							12.7	13.0		

NOTE: - INDICATES LESS THAN

CU-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L) CAC03	MO-ALKALINITY (MG/L) CAC03	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS07	79	2							.3			
		5							12.0			
		8										
	80	1										
		4										
	7											
	10											
	81	1							3.0	-7.0		
		4							4.0	7.0		
		6										
	10								-2.0	8.0	.2	
WS08	74	10							4.0			
	75	9							4.0	10.0		
	76	10							5.8			
	78	7							4.3			
	79	8										
	80	1										
		4										
	7								1.7			
	81	4							4.0	4.0		
WS09	74	10										
	75	9							5.0			
	76	2										
		4										
	5								3.9	2.0		
	6											
	7											
	8											
	9											
	10								11.0	10.0		
	77	12										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO ₃)	MO-ALKALINITY (MG/L CACO ₃)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WS09	78	6							1.6	4.0		
		10							1.3	3.0		
	79	2							9.3	1.0		
		5										
		8										
	80	1										
		4								1.0		
		7										
	10								2.0	7.0		
	81	1							3.0	2.0		
		4					-0.10					
		6					-0.10					
	10						-0.10		-1.0	5.0	-0.2	
WS10	74	10							1.0			
	75	5							5.0	9.0		
		9							4.7			
	76	5										
		6										
		7										
	10								11.0	4.0		
	77	12										
	78	6							1.3			
		10										
	79	2							2.8	8.0		
		5							2.1	3.0		
		8								7.0		
	80	1										
		4							1.0			
		7										
	10									-6.0		
	81	1					-0.10		3.0	2.0		
		4					-0.10					
		6										

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CaCO ₃)	M0-ALKALINITY (MG/L CaCO ₃)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	MADIUM-226 (PCI/L)	MADIUM-228 (PCI/L)
#S10	81	10					-0.10		3.0	8.0	0.3	
#S11	75	5										
	80	7										
	10								1.0	-10.0		
	81	1					-0.10			10.0		
	4						-0.10					
	6						-0.10		2.0	1.0		
	10											
#S12	80	7							6.0	-8.0		
	10											
	81	1					-0.10		4.0	8.0		
	4						-0.10					
	6						-0.10		4.0		-0.2	
	10											
#S36	80	4							3.4			
	7											
	10								4.0	3.0		
	81	1					-0.10		4.0	5.0		
	4						-0.10					
	6						-0.10		8.0	4.0	-0.3	
	10											
#S66	80	7										

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CO (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS01	74	10						.020						
	76	5				6.8		.020						
		10						.020						
	77	12			.020			.020		945.0				.007
	78	10	-1.00		-.020	34.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	-.030	12.0	980.0				
		5	-1.00	-1.0	-.020		-.05	-.020		970.0				
		8			-.020			-.020						
	21													
	80	1			-.020			-.020						
		4	-1.00		-.020	1.7		-.020						
		7		150.0	-.010	9.0		-.020						
		10	3.00	3.0	-.010	2.3		-.020						
	81	1			-.010			-.020						
		4	25.00	30.0	-.010	2.0		-.020						
		10	-1.00	18.0	-.010			-.020						
WS02	74	10						.004						.010
	75	9						.020						
	76	5												
		10						.050						
	78	6	4.00		-.007	1.0		.030		1000.0				
		10	-1.00		-.020	24.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	8.0	900.0				
		5	-1.00	10.0	-.020		-.05	-.020		650.0				
		8			-.020			-.020						
	80	1			-.020			-.020						
		4	8.00	8000.0	-.020			-.020						
		7			.010	9.0		-.020						
		10	7.00	9.0	-.010			-.020						
	81	1			-.010			-.020						
		4	344.00	344.0	-.010			-.020						
		6			-.010			-.020						
		10	-1.00	5.0	-.010			-.020						

NOTE: - INDICATES LESS THAN

Cd-Thact
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CU (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESTUM (MG/L)
WS03	74	10						.010						.020
	75	9						.010						
	76	2				3.0		.020						
	4					9.4								
	5					7.5		.010						
	6					2.3								
	7					7.0								
	8					5.0								
	10							.020						
	77	12						.020		950.0				
	78	4	-1.00		.020	38.0		.020		960.0				
	6		-1.00		.020			.020		890.0				
	7		-1.00		.020	1.0		.020		4800.0				
	10		-1.00		.020	10.0		.020	4.0	940.0				
	79	2	-1.00	-1.0	.020		.04	.020	13.0	1100.0				
	5		-1.00	-1.0	.020		-.05	.020		960.0				
	8				.020			.020						
	80	1			.020			.020						
	4		-1.00	90.0	.020			.020						
	7				.010	11.0		.020						
	10		25.00	26.0	.010			.020						
	81	1			.010			.030						
	4		268.00	292.0	.010			.020						
	10		-1.00	9.0	.010			.020						
WS04	74	10						.080						.001
	75	9						.030						.002
	76	5						.006						
	78	6	5.00					.020		890.0				
	10		2.00			1.0		.020		900.0				
	79	2	-1.00	-1.0	.020	14.0	.04	.020	4.0	880.0				
	5		-1.00	-1.0	.020		-.05	.020	14.0	1200.0				
	8				.020			.020	-1.0					
	80	1			.020			.020						
					.020			.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DUC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS04	80	4	5.00	15000.0	-.010	8.0		-.020						
		7			-.010			-.020						
		10	1.00	15.0	-.010			-.020						
81		1			-.010			-.030						
		4	248.00	296.0	-.010			-.020						
		6			-.010			-.020						
		10	-1.00	20.0	-.010			-.020						
WS06	74	10						.010						
	75	5						.009						
		9						.010						
	76	5			-.008			.020						
		10			.020			.020		976.0				
	77	12	13.00		-.020	1.0		-.020		1100.0				
	78	6			-.020	13.0		-.020	5.0	1100.0				
		10	-1.00	-1.0	-.020		.04	-.020	8.0	1100.0				
	79	2	-1.00	4.0	-.020		-.05	-.020		1000.0				
		5	-1.00		-.020			-.020						
		8			-.020			-.020						
		10			-.020	14.0		-.020	-1.0					
80		1												
		4	-1.00	390.0	-.020			-.020						
		7			-.010	4.0		-.020						
		10	6.00	27.0	-.010			-.020						
		1			-.010			-.020						
81		1			-.010			-.020						
		4	115.00	147.0	-.010			-.020						
		6			-.010			-.020						
		10	-1.00	20.0	-.010			-.020						
WS07	74	10						.009						
	75	9						.003						
	76	5						.010						
		10						.020						
	77	12			.020			-.020		855.0				
	78	4	-1.00		-.020	48.0		-.020		1000.0				
		7	-1.00		-.020	48.0		-.020		4900.0				
		10	-1.00		-.020	10.0		-.020	3.0	1000.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CU (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
W507	79	2	-1.00	-1.0	-.020		.04	-.020	10.0	1100.0				
	5		-1.00	1.0	-.020		-.05	-.020		1000.0				
	8				-.020			-.020						
	80	1			-.020			.020						
	4		-1.00	180.0	-.020	2.0		.020						
					-.010	2.0		.020						
	7				-.010			-.020						
	10		-1.00	-1.0	-.010	2.7		-.020						
81	1				-.010			-.020						
	4		36.00	43.0	-.010	-1.0		-.020						
	6				-.010			-.020						
	10		-1.00	2.0	-.010			-.020						
W508	74	10						.010						-.001
	75	9						.007						-.001
	76	10						.030		4400.0				
	78	7	-1.00		-.020	1.0		.100						
	79	8			-.020			.020						
	80	1			-.020			-.020						
	4		-1.00	110.0	-.020	-1.0		-.020						
	7				-.010			-.020						
81	4		*****	2300.0	-.010			-.020						
W509	74	10						.020						
	75	9												
	76	2						.007			.004			.006
	4				-.002	5.0		.004						
	5					6.7								
	6					4.2								
	7					4.5								
	8					6.0								
	9					3.0								
	10				-.007			.010						.001
	77	12			.020			.020		890.0				

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS09	78	6	6.00		-.020	3.0		-.020		1000.0				
	10		-1.00		-.020	17.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	12.0	1000.0				
	5		-1.00	1.0	-.020		-.05	-.020		950.0				
	8				-.020			-.020						
	80	1			-.020			-.020						
	4		-1.00	320.0	-.020			-.020						
	7				-.010	2.0		-.020						
	10		-1.00	-1.0	-.010			-.020						
	81	1			-.010			-.020						
	4		382.00	422.0	-.010			-.020						
	6				-.010			-.020						
	10		-1.00	21.0	-.010			-.020						
WS10	74	10						.005						
	75	5						.003			-.001			-.001
	76	5				2.9		.010						
	6					3.3								
	7					10.0								
	10							.009						
	77	12			.020			.020		930.0				
	78	6	20.00		-.020	1.0		-.020		710.0				
	10		-1.00		-.020	18.0		-.020	4.0	1000.0				
	79	2	-1.00	-1.0	-.020		.04	-.020	11.0	1000.0				
	5		-1.00	1.0	-.020		.07	-.020		910.0				
	8				-.020			.080						
	80	1			-.020			-.020						
	4		-1.00	70.0	-.020			-.020						
	7				-.010	-1.0		-.020						
	10		150.00	2100.0	-.010			-.020						
	81	1			-.010			-.020						
	4		276.00	362.0	-.010			.030						
	6				-.010			-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SPRINGS

SPRING	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CU (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WS10	81	10	-1.00	17.0	-.010			-.020						
WS11	75	5												
	80	7			-.010			-.020						
		10	51.00	104.0	-.010			-.020						
	81	1			-.010			-.020						
		4	120.00	160.0	-.010			-.020						
		6			-.010			-.020						
	10	-1.00		16.0	-.010			-.020						
WS12	80	7			-.010			-.020						
		10	1.00	25.0	-.010			-.020						
	81	1			-.010			-.020						
		4	440.00	466.0	-.010			-.020						
		6			-.010			-.020						
	10	-1.00		18.0	-.010			-.020						
WS36	80	4	4.00	200.0	-.010	8.0		-.020						
		7			-.010			-.020						
		10	4.00	11.0	-.010			-.020						
	81	1			-.010			-.020						
		4	*****	4600.0	-.010			-.020						
		6			-.010			-.020						
	10	-1.00		9.0	.010			-.020						
WS66	80	7			.010			-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	--	--	-----	-----	-----
WA01	74	10	7.8	1800.0	
	75	5	8.4	1800.0	
		9	8.4	1800.0	
	76	2	8.4	1700.0	
		4	8.3	1600.0	
		5	8.3	1500.0	
		6	8.7	1650.0	
		7	8.3	1800.0	
		8	8.4	1825.0	
		9	8.4	1200.0	
		10	8.6	1929.0	
	77	12	7.5	1700.0	14.0
	78	3	7.5		14.0
		9	7.7	1600.0	16.0
	79	2			
		3			
		7			
	80	2			
		4	7.3	1600.0	15.0
			8.0	1700.0	
		7	7.4	1625.0	18.0
	81	5	7.5	1620.0	12.0
		7	7.9	1490.0	12.2
		10	7.5	1630.0	16.0
WA02	74	10	7.4	1200.0	
	75	5	8.6	1000.0	
		9	8.6	1100.0	
	76	5	8.3	1100.0	
		10	7.8	1286.0	
	79	7			
	80	2			
		4	7.7	920.0	9.0
			8.2	1400.0	
		7	7.4	1200.0	14.0
	81	5	7.2	1200.0	10.0
		7	7.9	1160.0	7.2
			8.1	1200.0	
		10	7.2	1207.0	16.0
WA03	74	10	7.5	1500.0	
	75	9	8.4	1400.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	--	--	-----	-----	-----
WA03	76	2	8.3	1350.0	
		4	8.1	1280.0	
		5	8.1	1200.0	
		6	8.4	1200.0	
		7	8.1	1450.0	
		8	8.3	1460.0	
		9	8.3	1460.0	
		10	8.4	1559.0	
	78	1	7.5	1300.0	10.0
	79	3			
		7			
	80	2			
		4	7.6	1110.0	10.5
			7.6	1200.0	
		7	7.2	1300.0	15.0
	81	7	7.3	1280.0	11.3
		10	7.2	1200.0	14.0
WA05	74	10	7.8	1500.0	
	75	5	8.5	1300.0	
		9	8.3	1300.0	
	76	5	8.2	1200.0	
		10	8.2	1521.0	
	78	1	7.8	1250.0	21.0
	80	2			
		5	7.5	1030.0	9.0
			8.1	1200.0	
		7	7.3	1220.0	14.0
	81	7	8.2	1220.0	10.7
		10	7.2	1340.0	14.0
WA06	74	10	7.4	1500.0	
	75	9	8.5	1400.0	
	76	2	8.4	1650.0	
		4	8.2	1400.0	
		5	8.2	1450.0	
		6	8.6	1350.0	
		7	8.1	1500.0	
		8	8.4	1515.0	
		9	8.3	1550.0	
		10	8.0	1578.0	
	78	1	7.8	1400.0	21.0

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	--	--	-----	-----	-----
WA06	79	3			-0.1
		7			
	80	2			
		5	7.4	1055.0	12.0
			8.2	1200.0	
		7	7.3	1210.0	13.0
	81	7	7.7	1180.0	12.9
		10	7.3	1300.0	14.0
WA07	74	10	8.4	1200.0	
	75	5	8.2	1000.0	
		9	8.3	1100.0	
	76	2	8.3	1250.0	
		4	8.3	1150.0	
		5	8.2	1200.0	
		6	8.5	1025.0	
		7	8.3	1200.0	
		8	8.3	1290.0	
		9	8.4	1330.0	
		10	8.2	1341.0	
	78	1	7.9	1150.0	21.0
	79	7			
	80	7	7.5	970.0	14.0
	81	7	8.5	1050.0	10.0
		10	7.4	1280.0	
WA08	74	10	7.6	1400.0	
	75	5	8.5	1100.0	
		9	8.7	1300.0	
	76	5	8.3	1300.0	
		10	8.1	1386.0	
	78	1	7.8	1200.0	21.0
		3	8.3		16.0
		9	7.6	1200.0	11.0
	80	5	7.4	870.0	5.5
			8.0	1100.0	
		7	7.5	1160.0	13.5
	81	7	8.0	1020.0	7.0
		10	7.4	1300.0	11.0
WA09	74	10	7.4	1100.0	
	75	5	8.5	1000.0	
		9	8.2	1200.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	--	--	-----	-----	-----
WA09	76	5	8.4	950.0	
		10	8.2	1188.0	
	78	1	7.8	1300.0	21.0
		3	7.9		8.0
		9	7.6	1000.0	15.0
	79	3			-1.1
	80	2			
		4	7.8	795.0	10.0
			7.7	1100.0	
		7	7.7	1030.0	21.0
	81	5	8.0	1130.0	15.0
		7	7.9	1000.0	11.2
		10	7.4	1200.0	
WA10	74	10	8.0	1300.0	
	75	5	8.2	1200.0	
		9	8.3	1400.0	
	76	5	8.2	1250.0	
		10	8.2	1355.0	
	78	1	7.7	1400.0	21.0
		3	7.6		16.0
		9	7.5	1300.0	10.0
WA11	74	10	7.4	1500.0	
	75	5	8.4	1300.0	
		9	8.4	1400.0	
	76	5	8.4	1300.0	
		10	8.2	1646.0	
	78	1	7.9	1300.0	21.0
		3	7.5		15.0
		9	7.8	1320.0	7.8
	79	3			
WA12	74	10	7.3	1500.0	
	75	5	8.1	1400.0	
		9	8.5	1500.0	
	76	5	8.2	1350.0	
		10	8.0	1738.0	
	78	1	7.9	1250.0	21.0
		3	7.4		15.0
		9	7.7	1400.0	15.0
	79	3			
	80	4	7.8	1200.0	11.0

CB-TRACT
QUARTER AND SEMI-ANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	PH	SPECIFIC	TEMPERATURE
----	--	--	PH UNIT	CONDUCTANCE	(DEG C)
----	---	---	-----	(UMHOS/CM)	-----
WA12	80	7	7.5	1360.0	16.0
	81	5	7.7	1460.0	15.0
		7	8.1	1240.0	9.5
		10	7.3	1490.0	
WA13	81	7			
WA56	80	8	7.3	1240.0	11.0
	81	7	8.0	1550.0	14.0
		10	7.7	1680.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
----	--	--	-----	-----	-----
WA01	74	10			
	75	5			
		9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	77	12	4.8		
	78	3	4.0		
		9	3.4		
	79	2			
		3			
		7			
	80	2			
		4	4.4		
		7	3.8		
	81	5	5.7	1.0	3.6
		7	4.5		
		10	2.6		
WA02	74	10			
	75	5			
		9			
	76	5			
		10			
	79	7			
	80	2			
		4			
		7	3.3		
	81	5	6.1	.5	307.0
		7	5.7		
		10	3.8		
WA03	74	10			

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
----	--	--	-----	-----	-----
WA03	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	78	1	6.4		
	79	3			
		7			
	80	2			
		4			
		7	4.0		
	81	7	4.8		
		10	3.6		
WA05	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.8		
	80	2			
		5			
		7	4.0		
	81	7	7.2		
		10	2.3		
WA06	74	10			
	75	9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			

CB-TRACT
QUARTER AND SEMI-ANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
----	--	--	-----	-----	-----
WA06	76	10			
	78	1	5.8		
	79	3			
		7			
	80	2			
		5	6.0		
		7	3.0		
	81	7	3.5		
		10	2.8		
WA07	74	10			
	75	5			
		9			
	76	2			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
	78	1	6.0		
	79	7			
	80	7	6.8		
	81	7	6.5		
		10	5.9		
WA08	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.5		
		3	5.9		
		9	6.7		
	80	5			
		7	5.8		
	81	7	10.5		
		10	5.8		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
----	--	--	-----	-----	-----
WA09	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.8		
		3	8.8		
		9	11.2		
	79	3			
	80	2			
		4			
		7	5.3		
	81	5	8.2	.3	
		7	9.4		
		10	6.5		
WA10	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.7		
		3	8.3		
		9	9.0		
WA11	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.5		
		3	7.9		
		9	8.5		
	79	3			
WA12	74	10			
	75	5			
		9			
	76	5			
		10			
	78	1	6.6		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
ALLUVIAL WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
----	--	--	-----	-----	-----
WA12	78	3	6.2		
		9	7.3		
	79	3			
	80	4			
		7	7.2		
	81	5	8.1	.2	
		7	9.3		
		10	5.8		
WA13	81	7			
WA56	80	8	8.4		
	81	7	6.0		
		10	6.6		

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO ₃)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	MCU ₃ (MG/L CACO ₃)	CO ₃ (MG/L CACO ₃)	BR (MG/L)	HARDNESS (MG/L CACO ₃)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WA01	74	10		.320	-.100	-.005	.20	660.0	-1.0	.030		270.0	80.0	80.0
	75	5		.060	.300	-.002	.04	630.0	12.0	.030		240.0	86.0	69.0
	76	9		.900	.300	.006	.02	620.0	23.0	.080		250.0	100.0	78.0
	76	2		.020	-.020		.02	708.0	6.0	.010		246.0	93.0	78.0
	76	4			-.050			690.0	9.0			254.0	95.0	73.0
	76	5			15.500	.001		595.0	7.0			240.0	84.0	59.0
	76	6			.010	.001		503.0	12.0			240.0	80.0	18.0
	77	7		.020	.010	.001	.01	709.0	2.0	.040		240.0	94.0	56.0
	77	8			.130	.001		678.0	8.0			244.0	100.0	75.0
	77	9			.120	.001		426.0	4.0			149.0	49.0	42.0
WA02	77	10		.020	-.100	.002	.02	539.0	11.0	.030		240.0	85.0	57.0
	77	12	826.0	.200		.020	.50	826.0	1.0		540.0	260.0	94.0	31.0
	78	3	500.0	3.000	.170	-.020	-.50	500.0	-1.0	-.100	460.0	220.0	86.0	82.0
	79	9	550.0	.050	6.600	-.020	-.50	550.0	-1.0	.780	520.0	250.0	82.0	66.0
	79	2			.020	-.020	-.50	360.0	-1.0	.700	490.0	250.0	80.0	70.0
	79	3	360.0	-.100		-.020	.80	430.0	70.0		460.0	280.0	65.0	76.0
	80	7	500.0	-.100	-.040	-.020	.50	600.0	-1.0		430.0	250.0	76.0	48.0
	80	2	600.0	-.100	.400	-.020	-.50	600.0	-1.0		410.0	250.0	80.0	33.0
	81	5	570.0	-.100	-.040	-.020	-.50	570.0	-1.0		490.0	250.0	77.0	69.0
	81	7	560.0	-.100	.040	-.020	-.50	500.0	62.0		570.0	270.0	90.0	79.0
WA02	74	10		.340	.600	.010	.10	590.0	-1.0	.800	600.0	250.0	84.0	100.0
	75	5		3.000	1.100	.002	.20	580.0	10.0	.020		260.0	65.0	52.0
	76	9		.500	.200		.02	520.0	10.0	.030		160.0	77.0	44.0
	76	5			.400	-.001		525.0	9.0			140.0	83.0	47.0
	79	7		.050	.660	.001	.10	567.0		.006		138.0	68.0	44.0
	79	10	430.0	-.100	-.040	-.020	-.50	360.0	60.0		390.0	138.0	73.0	43.0
	80	2	460.0	-.100	.400	-.020	.50	460.0	-1.0		390.0	160.0	59.0	54.0
	80	4	470.0	-.100	.200	-.020	-.50	470.0	-1.0		590.0	130.0	68.0	45.0
	81	5	470.0	-.100	.400	-.020	-.50	470.0	-1.0		590.0	130.0	71.0	120.0
	81	7	420.0	-.100	.050	-.020	-.50	320.0	100.0		440.0	130.0	72.0	58.0
			430.0	-.100	-.040	-.020	-.50	430.0	-1.0		580.0	120.0	86.0	91.0

NOTE: - INDICATES LESS THAN

CR-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK		AMMONIA		AS	BA	HCO ₃		CO ₃	BR	HARDNESS	NA	MG	CA
			(MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
			CAO ₃	AL	AS N	(MG/L)	(MG/L)	(MG/L)	CAO ₃	CAO ₃	CAO ₃	CAO ₃	CAO ₃			
WA02	81	10	440.0	-1100	-0.040	-0.020	-0.50	-0.50	440.0	-1.0	-1.0	-0.800	600.0	130.0	79.0	110.0
WA03	74	10		.140	-1.100	.004	.20	.20	560.0	-1.0	-1.0	.020		250.0	45.0	58.0
	75	9		3.000	-1.100		.02	.02	550.0	5.0	5.0	.050		120.0	91.0	100.0
	76	2		.050	-0.020		.03	.03	555.0	3.0	3.0	.008		127.0	80.0	92.0
	4				-0.020	-0.050			600.0	-1.0	-1.0			127.0	94.0	102.0
	5				.200	.001			500.0					123.0	77.0	81.0
	6				.010	.001			375.0	4.0	4.0			124.0	80.0	25.0
	7			.030	-0.010	.001	.05	.05	601.0			.008		124.0	93.0	71.0
	8				.170	.002			567.0	9.0	9.0			124.0	97.0	102.0
	9				.020	.001			581.0	8.0	8.0			125.0	86.0	99.0
	10			.200	-1.100	.003	.06	.06	446.0	3.0	3.0	.010		120.0	83.0	88.0
78	1		674.0	.300		.020	.50	.50	674.0	1.0	1.0		600.0	135.0	92.0	44.0
79	3		510.0	-1100	.220	-0.020	-0.50	-0.50	510.0	-1.0	-1.0	.600	580.0	130.0	80.0	110.0
7			450.0	-1100	-0.040	-0.020	-0.50	-0.50	380.0	70.0	70.0		540.0	140.0	60.0	110.0
80	2		480.0	-1100	-0.040	-0.020	.50	.50	480.0	-1.0	-1.0		470.0	130.0	71.0	71.0
	4		480.0	-1100	-0.040	-0.020	-0.50	-0.50	480.0	-1.0	-1.0		720.0	130.0	72.0	170.0
	7		490.0	-1100	-0.040	-0.020	-0.50	-0.50	490.0	-1.0	-1.0		550.0	120.0	78.0	93.0
81	7		500.0	-1100	.400	-0.020	-0.50	-0.50	500.0	-1.0	-1.0		640.0	140.0	88.0	110.0
	10		490.0	-1100	-0.040	-0.020	-0.50	-0.50	490.0	-1.0	-1.0	.900	640.0	130.0	82.0	120.0
WA05	74	10		.060	-1.100	.050	.60	.60	520.0	-1.0	-1.0	.090		290.0	64.0	36.0
	75	5		.010	.700	.003	.02	.02	620.0	18.0	18.0	.020		170.0	82.0	76.0
	9			.400	.200	.004	.05	.05	440.0	5.0	5.0	.020		130.0	91.0	80.0
	76	5			.100	.002			561.0					157.0	64.0	68.0
	10			.020	-1.100	.005	.01	.01	647.0			.040		160.0	73.0	68.0
78	1		703.0	.100		.020	1.00	1.00	703.0	1.0	1.0		490.0	161.0	69.0	75.0
80	2		540.0	-1100	-0.040	-0.020	-0.50	-0.50	540.0	-1.0	-1.0		390.0	150.0	64.0	52.0
	5		470.0	-1100	.040	-0.020	-0.50	-0.50	470.0	-1.0	-1.0		560.0	150.0	58.0	130.0
	7		520.0	-1100	-0.040	-0.020	-0.50	-0.50	520.0	-1.0	-1.0		460.0	150.0	61.0	83.0
81	7		550.0	-1100	.040	-0.020	-0.50	-0.50	550.0	-1.0	-1.0		540.0	170.0	78.0	88.0
	10		550.0	-1100	-0.040	-0.020	-0.50	-0.50	550.0	-1.0	-1.0	.800	580.0	160.0	74.0	110.0
WA06	74	10		-0.050	.100	.004	.03	.03	670.0	-1.0	-1.0	.020		300.0	70.0	30.0
	75	9			.500	-0.002	.06	.06	580.0	10.0	10.0	.006		180.0	94.0	69.0
	76	2		.020	-0.020		.03	.03	726.0	9.0	9.0	.050		177.0	86.0	90.0

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK (MG/L CAC03)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HC03 (MG/L CAC03)	CO3 (MG/L CAC03)	BR (MG/L)	HARDNESS (MG/L CAC03)	NA (MG/L)	MG (MG/L)	CA (MG/L)
WA06	76	4			-.050	-.050		670.0	-1.0			183.0	93.0	83.0
	76	5			.200	.001		616.0				188.0	77.0	69.0
	76	6			.060	.002		482.0	9.0			177.0	79.0	21.0
	76	7		.100	-.010	.002	.01	689.0		.030		177.0	92.0	52.0
	76	8			.110	.001		659.0	9.0			170.0	92.0	74.0
	76	9			-.010	.002		640.0	6.0			168.0	79.0	74.0
	76	10			-.100	.004	.02	683.0		.030		168.0	78.0	73.0
	78	1	750.0	.100	.020	.020	.50	741.0	9.0		500.0	184.0	72.0	41.0
	79	3	580.0	-.100	.050	-.020	-.50	580.0	-1.0	.500	460.0	180.0	70.0	70.0
	80	2	520.0	-.100	-.040	-.020	-.50	460.0	60.0		460.0	170.0	53.0	67.0
WA07	74	5	560.0	-.100	-.300	-.020	-.50	540.0	-1.0		390.0	160.0	66.0	48.0
	74	6			.300	-.020	.70	500.0	60.0		580.0	160.0	68.0	120.0
	74	7	550.0	.100	-.040	-.020	-.50	550.0	-1.0		490.0	160.0	69.0	83.0
	74	8	510.0	-.100	.040	-.020	-.50	510.0	-1.0		490.0	160.0	74.0	75.0
	74	9	540.0	-.100	-.040	-.020	-.50	540.0	-1.0	.700	550.0	160.0	73.0	100.0
	75	10												
	75	1		-.050	.100	-.010	.40	400.0	18.0	.050		380.0	20.0	16.0
	75	2		.100	5.200	-.002	.04	460.0	-1.0	.050		140.0	53.0	71.0
	75	3		.700	.200	.003	.08	360.0	4.0	.100		140.0	62.0	54.0
	76	4		.300	-.020		.08	476.0	3.0	.080		137.0	63.0	80.0
WA08	74	4			-.050	-.050		500.0	3.0			142.0	64.0	83.0
	74	5			.300	.001		444.0				141.0	55.0	65.0
	74	6			.100	.001		320.0	5.0			137.0	49.0	24.0
	74	7		.020	-.010	.001	.05	471.0	5.0	.040		135.0	56.0	54.0
	74	8			.120	.001		466.0	7.0			134.0	62.0	83.0
	74	9			-.010	.002		479.0	6.0			138.0	51.0	78.0
	74	10		.030	-.100	.003	.03	494.0		.060		142.0	55.0	69.0
	78	1	560.0		.020	.020	.50	560.0	1.0		480.0	136.0	51.0	30.0
	79	7	310.0	-.100	.080	-.020	-.50	250.0	60.0		320.0	130.0	40.0	60.0
	80	7	350.0	-.100	-.040	-.020	-.50	350.0	-1.0		340.0	120.0	37.0	74.0
WA08	81	7	390.0	-.100	.040	-.020	-.50	390.0	-1.0		420.0	140.0	55.0	78.0
	81	10	400.0	-.100	-.040	-.020	-.50	400.0	-1.0	1.000	500.0	140.0	56.0	110.0
	74	10		-.050	.100	.004	.10	630.0	-1.0	.009		290.0	60.0	56.0
	75	5		.100	2.700	-.002	.04	460.0	12.0	.080		93.0	91.0	84.0
76	5			.300	.200	.005	.04	460.0	15.0	.030		130.0	90.0	94.0
	5				.300	.001		491.0	2.0			122.0	80.0	82.0
	10			.090	-.100	.002	.02	531.0		.020		124.0	83.0	78.0

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK		AMMONIA		BA	HCO ₃		CO ₃	BR	HARDNESS	NA	MG	CA
			(MG/L)	(MG/L)	AS N	AS	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
			CA CO ₃	AL	(MG/L)	(MG/L)		CA CO ₃	CA CO ₃	CA CO ₃		CA CO ₃			
WA08	78	1	560.0	.100		.020	.50	551.0	9.0			570.0	137.0	73.0	54.0
		3	480.0	.200	.080	-.020	-.50	475.0	8.0		.600	530.0	88.0	78.0	95.0
		9	430.0	.050	3.800	-.020	-.50	430.0	-1.0		.700	530.0	130.0	80.0	83.0
	80	5	410.0	1.500	.060	-.020	.50	410.0	-1.0			620.0	110.0	60.0	150.0
		7	420.0	-.100	-.040	-.020	-.50	420.0	-1.0			520.0	130.0	69.0	93.0
	81	7	260.0	-.100	-.040	-.020	-.50	260.0	-1.0			570.0	120.0	82.0	93.0
		10	460.0	-.100	.040	-.020	-.50	460.0	-1.0		.900	590.0	140.0	84.0	99.0
WA09	74	10		-.050	.200	.003	.20	450.0	-1.0		.009		150.0	57.0	49.0
	75	5		.100	2.700	.003	.02	440.0	9.0		.020		93.0	72.0	45.0
		9		.300	.200	.008	.03	480.0			.020		130.0	92.0	61.0
	76	5			.300	.001		411.0	8.0				98.0	64.0	70.0
		10		.100	-.100	.002	.01	464.0			.020		102.0	69.0	68.0
	78	1	465.0	.600		.020	1.50	465.0	1.0			460.0	114.0	6.8	45.0
		3	430.0	.100	-.040	-.020	-.50	430.0	-1.0		.500	440.0	99.0	72.0	84.0
		9	380.0	.700	.250	-.020	.50	380.0	-1.0		.600	480.0	100.0	66.0	77.0
	79	3	350.0	-.100	.220	-.020	-.50	360.0	-1.0		-.100	600.0	150.0	90.0	90.0
		80	340.0	-.100	-.040	-.020	-.50	340.0	-1.0			360.0	100.0	57.0	50.0
		4	380.0	-.100	-.040	-.020	-.50	380.0	-1.0			600.0	110.0	60.0	140.0
		7	390.0	-.100	-.040	-.020	.50	390.0	-1.0			420.0	110.0	61.0	67.0
	81	5	400.0	-.100	-.040	-.020	-.50	330.0	68.0			520.0	120.0	74.0	86.0
		7	380.0	-.100	-.040	-.020	-.50	380.0	-1.0			510.0	110.0	75.0	82.0
		10	400.0	-.100	-.040	-.020	-.50	400.0	-1.0		.900	570.0	110.0	71.0	110.0
WA10	74	10		.250	-.100	.001	.05	440.0	-1.0		.020		160.0	79.0	69.0
	75	5		.300	.100	.003	.02	460.0	-1.0		.020		110.0	99.0	48.0
		9			.600	.008	.03	450.0	4.0		.100		190.0	92.0	64.0
	76	5			.300	.001		531.0					134.0	88.0	80.0
		10		.100	-.100	.002	.04	445.0			.020		106.0	83.0	80.0
	78	1	541.0	.100		.020	1.00	541.0	1.0			590.0	142.0	72.0	45.0
		3	510.0	.100	-.040	-.020	-.50	510.0	-1.0		.500	500.0	120.0	79.0	110.0
		9	450.0	.050	1.000	-.020	-.50	420.0	30.0		.880	460.0	130.0	75.0	91.0
WA11	74	10		.520	-.100	.009	.10	480.0	-1.0		.050		180.0	85.0	61.0
	75	5		.100	.400	.003	.03	490.0	6.0		.030		140.0	100.0	50.0
		9		.100	.200	.002	.02	450.0	5.0		.060		140.0	110.0	78.0
	76	5			.300	.001		512.0					145.0	103.0	78.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	TOTAL ALK		AMMONIA AS N	AS	BA	HCO ₃ (MG/L CACO ₃)	CO ₃ (MG/L CACO ₃)	BR	HARDNESS (MG/L CACO ₃)	NA	MG	CA
			(MG/L CACO ₃)	AL (MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)		(MG/L)	(MG/L)	(MG/L)
W11	76	10		.020	-.100	.004	.03	519.0		.020		142.0	98.0	80.0
	78	1	532.0	1.100		.020	.50	532.0	1.0		630.0	154.0	98.0	45.0
	3		490.0		.220	-.020	-.50	490.0	-1.0	.600	630.0	130.0	96.0	88.0
	9		420.0	.090	4.400	-.020	-.50	420.0	-1.0	.820	530.0	150.0	94.0	80.0
79	3		420.0	.400	.050	-.020	-.50	420.0	-1.0	.800	480.0	110.0	64.0	76.0
W12	74	10		.170	.100	.008	.04	580.0	-1.0	.005		730.0	53.0	100.0
	75	5		.100	1.100	-.002	.02	500.0	-1.0	.020		150.0	110.0	50.0
	9			.100	-.100	.009	.07	540.0	11.0	.080		140.0	120.0	100.0
	76	5			.300	.001		567.0				143.0	110.0	85.0
	10			.200	-.100	.003	.05	580.0		.010		142.0	98.0	86.0
	78	1	617.0	.010		.020	2.00	617.0	1.0		650.0	159.0	97.0	53.0
	3		460.0	.200	-.040	-.020	-.50	460.0	-1.0	.600	580.0	130.0	97.0	110.0
	9		510.0	.200	.001	-.020	.70	510.0	-1.0	.590	580.0	140.0	94.0	95.0
	79	3	470.0	-.100	.040	-.020	-.50	470.0	-1.0	1.000		150.0	90.0	100.0
	80	4	470.0	-.100	-.040	-.020	.60	390.0	80.0		740.0	140.0	84.0	160.0
81	7		450.0	.200	-.040	-.020	-.50	450.0	-1.0		600.0	140.0	89.0	93.0
	5		490.0	-.100	-.040	-.020	-.50	450.0	40.0		750.0	160.0	110.0	120.0
	7		490.0	-.100	-.040	-.020	-.50	490.0	-1.0		730.0	140.0	110.0	110.0
	10		500.0	-.100	-.040	-.020	-.50	500.0	-1.0	.800	690.0	140.0	100.0	110.0
W13	81	7												
W56	80	8	420.0	-.100	6.000	-.020	-.50	420.0	-1.0		340.0	190.0	40.0	69.0
	81	7	720.0	-.100	.300	-.020	-.50	650.0	68.0		250.0	310.0	37.0	41.0
	10		780.0	-.100	.050	-.020	-.50	730.0	52.0	.800	190.0	370.0	22.0	40.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OIL AND GREASE			PHEN	K	B	TOTAL DISS SOLIDS		SR	SU ₄	CL	CUD	CR	CU
			MO	N03	(MG/L)				(MG/L)	(MG/L)						
WA01	74	10	.020	.30				.60	1300.0	1.0	530.0	15.0			-.010	.050
	75	5	.040	-.10			2.0	.19	1200.0	.4	420.0	12.0			-.010	.010
	76	2	.020	.40			2.0	.30	1300.0	1.0	440.0	19.0			-.100	.010
	76	2	.040	.05			1.6	.01	1269.0	1.4	463.0	14.0			.020	.020
	76	4		.08			1.7		1285.0	1.3	480.0	15.0				
	76	5		-.04			1.7		1163.0	1.6	447.0	12.0				
	76	6		.14			1.6		1092.0	.9	460.0	15.0				
	77	7	.040	-.02			1.6	.10	1252.0	1.8	474.0	15.0			.010	.020
	78	8		.04			1.6		1271.0	1.8	470.0	15.0				
	79	9	.040	.44			.9		749.0	.8	274.0	6.0				
WA02	77	12	.020	.10			2.0	.08	1167.0	1.3	469.0	16.0			.010	.080
	78	3	-.200	.60			1.6	.12		5.0	-.1	20.0		16.0	.020	.020
	79	9	.040	.44			2.0	.04		4.0	140.0	18.0		18.0	.070	.010
	79	2					1.6	.56		5.0	420.0	16.0		10.0	-.020	-.020
	80	2	-.010	.10			2.0	.30	1200.0	4.4	510.0	25.0		10.0	-.020	-.020
	80	4	-.010	.10			3.2	.20	1300.0	3.2	420.0	59.0		2.0	-.020	-.020
	81	5	.020	.50			1.8	.30	1300.0	5.4	310.0	17.0		1.0	-.020	-.020
	81	7	.010	.50			3.8	.20	1600.0	2.8	460.0	19.0		1.0	-.020	-.020
	81	7	.010	.50			6.3	.10	1200.0	2.7	460.0	18.0		50.0	-.020	-.020
	81	10	.010	.50			2.0	.30	1200.0	2.8	410.0	19.0		50.0	-.020	-.020
WA02	74	10	.005	.60				1.70	1100.0	2.0	410.0	10.0			-.010	.030
	75	5		.90			1.0	.10	820.0	10.0	210.0	4.0			-.010	.020
	76	9	.040	2.90			1.0	.20	850.0	2.0	200.0	6.0			-.100	.010
	76	5		-.04			.7		769.0	3.3	218.0	4.4				
	76	10	.020	.65			.7		805.0	1.9	232.0	6.0			.002	.020
	79	7	.020	26.00			1.4	.10		9.9	260.0	9.3		2.1	-.020	-.020
	80	2	-.010	.10			1.2	.10	830.0	11.0	330.0	15.0		50.0	-.010	-.020
	80	4	-.010	.10			2.7	.10	900.0	8.6	300.0	58.0		1.0	-.020	-.020
	81	7	-.010	.50			.9	.10	870.0	11.0	220.0	7.3		1.0	-.020	-.020
	81	5	-.010	.50			3.3	-.10	850.0	3.7	290.0	13.0		1.0	-.020	-.020
	81	7	-.010	.70			5.0	-.10	910.0	3.5	350.0	13.0		50.0	-.020	.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	MO	OIL AND GREASE		PHEN	K	B	TOTAL DISS		SR	S04	CL	CUD	CK	CU
				MG/L	MG/L				MG/L	MG/L						
WA02	81	10	-0.010	-0.50	-0.0010	1.9	.10	930.0	3.5	330.0	12.0	-50.0	-0.020	-0.020	-0.020	-0.020
WA03	74	10	.020	3.00			.70	1000.0	2.0	400.0	8.0					
75	9	-0.007	2.00			1.0	.10	990.0	1.0	330.0	7.0					.100
76	2		.46			1.1	.01	950.0	2.0	346.0	10.0					.100
4			.03			1.3		1022.0	1.9	370.0	16.0					
5			-0.04			1.3		894.0	2.7	346.0	.9					
6			1.08			1.3		807.0	1.7	360.0	7.0					
7		.020	1.59			1.4	.03	972.0	2.6	361.0	9.0				.020	.040
8			-0.02			1.3		993.0	2.6	352.0	8.0					
9			.12			1.3		993.0	2.3	359.0	8.0					
10		.020	.61			1.0	.10	902.0	2.2	358.0	10.0				.007	.020
78	1	-0.020	3.40	1.0		1.6	.04		5.4	383.0	11.0	24.0		.040	.020	.020
79	3	-0.020	2.00	20.0	.0010	1.0	.10		6.0	350.0	23.0	20.0		.020	.020	.020
7		-0.020	-1.0	63.0	.0500	1.7	.10		5.4	350.0	14.0	10.0		.020	.020	.020
80	2	-0.010	-1.0	12.0	.0020	1.5	.20	1000.0	5.7	430.0	26.0	2.0		.010	.020	.020
4		-0.010	-1.0	15.0	.0020	2.9	.10	1000.0	6.1	320.0	61.0	48.0		.020	.020	.020
7		-0.010	-1.0	15.0	.0010	1.4	.10	1000.0	6.9	220.0	11.0	-1.0		.020	.020	.020
81	7	-0.010	2.00	-10.0	-0.0010	4.6	.10	1000.0	3.7	370.0	12.0	-50.0		.020	.020	.020
10		-0.010	2.00	-10.0	-0.0010	1.6	.10	990.0	3.8	350.0	12.0	-50.0		.020	.020	.020
WA05	74	10	.020	2.20			1.20	1200.0	4.0	500.0	15.0					.100
75	5	-0.010	1.50			3.0	.25	940.0	1.0	260.0	12.0				.010	.010
9		.060	7.80			1.0	.50	880.0	1.0	370.0	6.0				.010	.020
76	5		-0.04			2.1		851.0	1.4	263.0	3.0					
10		.030	1.35			2.0	.10	941.0	.9	290.0	12.0				.009	.030
78	1	.020	4.90	4.0		1.9	.08		3.0	251.0	14.0	16.0		.020	.020	.020
80	2	.020	-1.0	7.0	.0030	4.0	.10	950.0	4.0	310.0	29.0	8.0		.010	.010	.010
5		-0.010	16.00	14.0	-0.0010	3.7	.10	990.0	3.3	320.0	65.0	70.0		.020	.020	.020
7		.020	-1.50	10.0	-0.0010	2.2	.20	920.0	4.4	200.0	13.0	8.0		.020	.020	.020
81	7	.010	1.10	-10.0	-0.0010	5.8	.20	950.0	2.2	300.0	14.0	-50.0		.020	.020	.020
10		-0.010	.90	-10.0	-0.0010	2.5	.20	960.0	2.4	240.0	14.0	-50.0		.020	.020	.020
WA06	74	10					1.40	1200.0	3.0	400.0	17.0				.010	.090
75	9	.040	5.20			5.0	.60	1200.0	.9	330.0	19.0				.010	.010
76	2	.050	.28			1.7	.08	1147.0	1.8	385.0	21.0				.040	.100

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CH (MG/L)	CU (MG/L)
WA06	76	4		.09			1.6		1080.0	1.4	360.0	12.0			
		5		.20			1.5		1039.0	1.8	370.0	9.0			
		6		2.43			1.6		912.0	1.2	353.0	16.0			
		7	.030	.50				.10	1018.0	1.8	321.0	16.0		.020	.020
		8		.02			1.6		1010.0	1.7	305.0	12.0			
		9		-.04			1.5		986.0	1.5	307.0	13.0			
		10	.040	.18			2.0	.06	992.0	1.3	300.0	14.0		.010	.030
	78	1	.020	1.90	17.0		1.8	.10		3.3	268.0	17.0	4.0	.020	.020
	79	3	.020	1.00	9.0	.0070	2.0	.10		5.0	300.0	26.0	8.0	-.020	-.020
	7		-.020	-.10	6.6	.0500	1.8	.20		3.6	280.0	18.0	6.2	-.020	-.020
WA07	80	2	-.010	-.10	4.0	.0090	2.8	.10	950.0	4.7	350.0	20.0	-1.0	-.010	.030
	5		.020	.50	2.0	-.0010	2.8	.20	990.0	3.1	260.0	57.0	35.0	-.020	-.020
	7		-.010	-.50	7.0	-.0010	1.7	.20	930.0	5.0	230.0	13.0	13.0	-.020	-.020
	81	7	-.010	1.30	-10.0	.0010	5.8	.20	910.0	2.2	210.0	16.0	-50.0	-.020	-.020
	10		-.010	1.80	-50.0	-.0010	1.9	.20	930.0	2.6	240.0	14.0	-50.0	-.020	-.020
	74	10	.010	4.30				1.40	1200.0	2.0	480.0	11.0		-.010	.090
	75	5		1.50			1.0	.25	780.0	1.0	260.0	23.0		-.010	.005
	9		.040	2.90			1.0	.50	850.0	2.0	300.0	27.0		-.010	.040
	76	2	.090	.16			.9	.30	844.0	1.8	282.0	29.0		.040	.050
	4			.03			1.1		878.0	1.7	300.0	23.0			
WA08	5			.22			1.0		774.0	2.8	230.0	23.0			
	6			2.88			1.2		696.0	1.4	281.0	25.0			
	7		.020	2.32			1.1	.10	805.0	2.0	281.0	24.0		.030	.010
	8			-.02			1.1		819.0	2.0	258.0	24.0			
	9			-.04			1.0		853.0	1.8	307.0	18.0			
	10		.070	.60			1.0	.08	855.0	2.0	313.0	13.0			.090
	78	1	.020	6.20	31.0		1.8	.04		3.3	313.0	16.0	16.0	.020	.020
	79	7	-.020	-.10	15.0	.0300	1.2	.04		4.2	250.0	14.0	8.6	-.020	-.020
	80	7	-.010	-.50	9.0	-.0010	1.1	.10	700.0	4.7	130.0	15.0	6.0	-.020	-.020
	81	7	-.010	1.10	-10.0	.0020	4.2	.20	780.0	2.8	240.0	17.0	-50.0	-.020	-.020
WA08	10		-.010	8.90	-10.0	-.0010	1.2	.20	810.0	3.3	250.0	18.0	-50.0	-.020	-.020
	74	10	.010	3.50				.70	1200.0	.8	480.0	4.0		-.010	.070
	75	5		5.20			2.0	.17	880.0	2.0	350.0	5.0		-.010	.020
	9		.040	4.20			2.0	-.10	1200.0	2.0	370.0	5.0		-.010	.040
	76	5		.56			1.6		895.0	2.2	346.0	4.4			
	10		.020	.83			2.0	.08	973.0	1.1	403.0	6.0		.030	.009

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CK (MG/L)	CU (MG/L)
WA08	78	1	.020	13.30	10.0		1.9	.08		2.5	416.0	11.0	8.0	.040	.020
	3	.020	6.00	10.0		2.0	-.04			4.0	440.0	6.0	20.0	.020	.020
	9	.080	3.10	9.0	.0030	1.8	-.04			5.0	410.0	7.0	8.0	.020	.020
	80	5	-.010	3.50	21.0	-.0010	3.2	-.10	900.0	3.3	350.0	67.0	60.0	.020	.020
WA09	74	10	.020	6.60				.70	860.0		360.0	4.0		.010	.010
	75	5	.020	4.60			2.0	.18	720.0	1.0	260.0	5.0		.010	.005
	9	.090	1.50				1.0	.70	960.0	2.0	360.0	6.0		.010	.020
	76	5		2.88			.8		713.0	2.3	255.0	2.0			
	10	.020	.65				.7	.06	790.0	1.1	300.0	6.0	4.0	.010	.040
	78	1	.020	8.10	14.0		1.5	.04		2.6	417.0	8.0		.020	.020
	3	.020	6.00	35.0		.9	-.04			4.0	410.0	6.0	20.0	.020	.020
	9	.020	4.90	13.0	.0020	.8	1.10			5.0	140.0	6.0	50.0	.020	.060
	79	3	.020	2.00	10.0	.0040	3.0	-.04		6.0	450.0	18.0	20.0	.020	.020
	80	2	.010	.10	2.0	-.0010	2.6	.10	820.0	4.7	350.0	13.0	1.0	.010	.010
WA10	74	10	-.010	5.80	10.0	.0010	2.4	-.10	850.0	4.4	310.0	62.0	1.0	.020	.020
	7	.010	1.60				.9	.10	820.0	5.0	230.0	5.8	1.0	.020	.020
	81	5	.010	4.00	14.0	-.0010	2.7	-.10	770.0	2.9	240.0	7.2	1.0	.020	.020
	7	.010	4.10	10.0	.0010	3.8		.10	790.0	2.6	310.0	6.4	50.0	.020	.020
	10	.010	3.70	10.0	-.0010	1.0		.20	1200.0	2.9	280.0	8.2	50.0	.020	.020
	74	10		9.10				.70	1000.0	.7	450.0	5.0		.010	.030
	75	5		.60			2.0	.17	940.0	2.0	430.0	4.0		.010	.010
	9	.010	6.80				2.0	.80	1100.0	1.0	420.0	23.0		.010	.010
	76	5		2.08			1.4		967.0	2.5	379.0	6.0			
	10	.020	1.20				1.0		929.0	1.1	418.0	6.0		.010	.030
WA11	78	1	.020	5.90	32.0		1.8	.04		2.5	407.0	8.5	24.0	.020	.020
	3	.020	4.00	33.0		2.0		.04		4.0	350.0	6.0	28.0	.020	.020
	9	.020	5.80	5.0	.0230	1.4		.09		5.0	340.0	5.5	8.0	.010	.020
	74	10	.200	3.10				.60	1100.0	3.0	480.0	4.0		.010	.200
	75	5		1.40			2.0	.40	1000.0	3.0	440.0	6.0		.010	.020
76	9	.020	3.30				2.0	.50	1100.0	2.0	450.0	7.0		.010	.040
	5		.16				1.6		1045.0	3.2	444.0	7.0			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OIL AND GREASE		PHEN	K	B	TOTAL DISS		SH	SO ₄	CL	CO ₂	CR	CU
			MO	NO ₃	(MG/L)	(MG/L)	(MG/L)	SOLIDS	(MG/L)						
			(MG/L)	(MG/L)						(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
W11	76	10	.100	1.70		2.0	.08	1074.0		1.8	472.0	8.0		.010	.020
	78	1	.020	4.00	15.0	1.8	.04			2.8	539.0	10.0	4.0	.040	.020
	78	3	.020	4.00	1.0	2.0	.04			5.0	320.0	9.0	4.0	.020	.020
	79	9	.040	1.80	7.0	1.8	.56			6.0	430.0	8.0	9.0	.020	.020
	79	3	.020	4.00	3.0	.9	.04			5.0	280.0	26.0	8.0	.020	.020
W12	74	10		2.90				1200.0		3.0	480.0	4.0		.010	.030
	75	5	.020	.90		2.0	5.20	1100.0		1.0	490.0	10.0		.010	.005
	76	9	.060	2.90		2.0	.20	1100.0		3.0	490.0	6.0		.010	.030
	76	5		.04		1.4		1091.0		3.2	453.0	4.0			
	76	10	.030	1.00		2.0	.01	1082.0		1.8	446.0	6.0		.010	.040
	78	1	.020	4.20	9.0	1.8	.04			3.0	518.0	10.0	16.0	.020	.020
	78	3	.020	3.00	6.0	2.0	.04			5.0	440.0	9.0	16.0	.020	.020
	79	9	.050	1.80	16.0	1.7	.04			6.0	420.0	8.0	2.0	.020	.020
	79	3	.020	3.00	4.0	2.0	.04			6.0	440.0	16.0	10.0	.020	.020
	80	4	.010	.10	26.0	3.0	.10	1200.0		5.9	430.0	55.0	37.0	.020	.020
	7		.010	.50	5.0	1.7	.10	1200.0		6.9	310.0	8.5	4.0	.020	.020
	81	5	.010	1.30	-1.0	3.3	.10	1100.0		3.8	530.0	9.1	-1.0	.020	.020
	7		.010	1.80	-10.0	5.0	.10	1100.0		3.9	540.0	9.1	-50.0	.020	.020
	10		.010	1.70	-10.0	1.9	.10	1200.0		3.9	460.0	8.2	-50.0	.020	.030
W13	81	7													
W156	80	8	.010	6.70	2.0	1.1	.30	870.0		3.3	450.0	20.0	20.0	.020	.020
	81	7	.010	2.90	-10.0	6.7	.60	1000.0		1.3	160.0	11.0	-50.0	.020	.020
	10		.010	7.10	-10.0	1.1	.60	1100.0		1.5	200.0	9.5	-50.0	.020	.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	ST02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA01	74	10	17.0		-10		.00030			.500	.030	-.50	.500	9.40	3.40
	75	5	15.0		-10		.00020	.004		.200	-.010	-.50	.030	-.05	1.20
		9	17.0		-10		-.00010			.020	-.010	-.50	.100	.09	.70
	76	2	17.0		.03			.030		.020	.080	-.50	-.100	-.10	.70
		4	16.0		-.02							-.50	.400	-.10	.90
		5	17.0		.04							-.50	.400	-.10	.60
		6	16.0		.02					.020	-.020	-.50	.400	-.10	.60
		7	18.0		.02							-.50	.400	-.10	.80
		8	21.0		.07							-.50	.400	-.10	.80
		9	12.0		.04							-.50	.400	-.10	.40
		10	19.0		.01		.00006	-.006		.020	-.010	-.50	.400	-.10	1.00
	77	12			-.10	.10			.200	.020	.100	.02	.200	.04	.91
	78	3				.17	-.02000	.020	.060	.210	.300	.02	.400	.02	.96
	79	2				1.50	-.00100	-.002	-.020	.040	-.050	-.02	.300	-.50	.60
		3				4.00	-.02000	-.020	-.020	.060	-.020	-.02	.300	-.50	.90
		7				2.00	-.00200	-.001	-.010	-.020	.020	-.05	.300	-.02	1.10
	80	2				.40	-.00200	-.001	-.010	-.010	-.020	-.05	-.020	-.02	1.10
		7				.30	-.00020	-.001	-.010	-.020	-.020	-.05	.300	-.02	.50
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.300	-.02	.90
		7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.300	-.02	.90
WA02		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	.280	-.02	1.00
	74	10	22.0		1.10		.00020			.050	.030	-.50	1.500	3.50	5.00
	75	5	30.0		-.10		.00010			1.000	.020	-.50	.200	-.05	2.00
		9	27.0		.10		-.00010			.010	.010	-.50	.090	.20	1.50
	76	5	24.0		.14							-.50	.200	.10	1.60
		10	30.0		-.01		.00002	-.001		.050	-.002	-.50	.200	-.10	1.80
	79	7				3.60	-.00200	-.001	.010	.020	-.020	-.02	.200	-.50	1.50
	80	2				1.40	-.00100	-.002	-.010	.020	-.020	-.05	.100	-.02	1.50
		4					.00020	-.010	-.010	.020	.020	-.05	.080	-.02	1.30
		7				.60	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	2.00
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.050	-.02	.50
		7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.040	-.02	.40
		10				.10	-.00020	-.010	-.010	.030	-.020	-.05	-.020	.02	.50

NOTE: - INDICATES LESS THAN

CB-TWACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA03	74	10	18.0		.30		.00030			.300	.030	.50	2.200	-.05	1.90
	75	9	15.0		-.10		.00010			.050	.010	.50	.010	.30	.36
	76	2	16.0		.03					.030	.020	.50	.100	.20	.30
	4	15.0			-.02							.50	.100	-.10	.40
	5	16.0			.06							.50	.100	-.10	.40
	6	15.0			-.02					.020	.040	.50	.100	-.10	.30
	7	15.0			.03							.50	.100	-.10	.30
	8	19.0			.04							.50	.100	-.10	.40
	9	19.0			.03							.50	.100	-.10	.40
	10	17.0			-.01							.50	.100	-.10	.40
78	1					.20				.070	-.006	.50	.100	-.10	.40
	3					4.00			.060	.020	.090	.02	.020	.06	.42
	79	3							-.020	-.020	-.020	-.02	-.020	-.50	.48
	7					.80			.010	-.020	-.020	-.02	-.020	-.50	.40
	80	2							-.010	-.020	.020	-.05	-.020	-.02	.60
	2								-.00200	-.001					
	4					.50			-.010	.020	.020	-.05	.030	.02	.40
	7					.10			-.010	-.020	-.020	-.05	-.020	-.02	.20
	81	7				.60			-.010	-.020	-.020	-.05	-.020	-.02	.40
	10					-.10			-.010	.030	-.020	-.05	-.020	.02	.50
WA05	74	10	17.0		.20		.00010	.060		1.000	.070	.50	2.300	-.05	1.50
	75	5	20.0		-.10		.00040			.700	.010	.50	.010	-.05	5.00
	9	13.0			-.10		-.00010			.020	.020	.50	.004	-.05	.20
	76	5	17.0		.13							.50	.100	-.10	.40
	10	17.0			-.01		.00006	-.003		.040	-.008	.50	.100	-.10	.40
	78	1				.50			.080	.020	.050	.04	.040	.08	.40
	80	2				.10			-.010	-.010	.020	-.05	.040	-.02	.60
	5					.10			-.010	.010	.020	-.05	-.020	.02	.50
	7					.10			-.010	-.020	-.020	-.05	-.020	-.02	.70
	81	7				-.10			-.010	-.020	-.020	-.05	-.020	-.02	.50
	10					-.10			-.010	.030	.020	-.05	-.020	-.02	.60
WA06	74	10	20.0		.30		.00170			.200	.100	.50	.300	-.05	1.90
	75	9	18.0		-.10		-.00010			.020	.003	.50	.200	.20	.36
	76	2	18.0		.06			.020		.020	.020	.50	.100	.20	.30
	4	17.0			-.02							.50	.200	-.10	.40
	5	19.0			.06							.50	.100	-.10	.50
	6	17.0			.07							.50	.100	-.10	.30

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	ST02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	HN (MG/L)	FE (MG/L)	F (MG/L)
WA06	76	7	18.0		.05					.060	-.020	-.50	.100	-.10	.40
	8	21.0			.06							-.50	.100	-.10	.40
	9	21.0			.08							-.50	.100	-.10	.40
	10	20.0			-.01							-.50	.100	-.10	.50
	78	1				.20	.00017	-.004	.100	.050	-.010	.03	.060	.03	.48
79	3					4.00	-.02000	-.020	-.020	-.020	-.020	-.02	.100	-.50	.53
80	2					.10	-.02000	-.020	-.010	.010	-.020	-.05	.100	-.50	.40
5						.40	-.00020	-.010	-.010	-.010	-.020	-.05	.100	-.02	.60
												-.05	.080	.02	.50
7						.10	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	.50
81	7					-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	.40
10						-.10	-.00020	-.010	-.010	.030	-.020	-.05	.080	-.02	.50
WA07	74	10	41.0		.40		.00017			.200	-.010	-.50	.120	-.05	1.90
	75	5	15.0		-.10		.04800			.030	-.010	-.50	.005	-.05	.20
	9	14.0			-.10		.00020	.004		.100	-.050	-.50	.020	-.05	.13
	76	2	14.0		.03			-.020		.030	.010	-.50	-.100	.30	-.10
	4	15.0			-.02							-.50	-.100	-.10	.20
	5	14.0			.12							-.50	-.100	-.10	.20
	6	15.0			-.02							-.50	-.100	-.10	.20
	7	15.0			-.02					.020	-.030	-.50	-.100	-.10	.20
	8	19.0			-.02							-.50	-.100	-.10	.20
	9	17.0			.45							-.50	-.100	-.10	.20
10		17.0			-.01		-.00007	-.003		.040	.010	-.50	-.100	-.10	.10
78	1					.10			.100	.020	.050	.02	.050	.04	.20
79	7					1.90			.004			.02	-.020	-.50	.20
80	7					.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.30
81	7					.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
10						-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
WA08	74	10	16.0		-.10		.00030			.060	.020	-.50	.200	-.05	.80
	75	5	15.0		-.10		.00130	.004		.300	.020	-.50	.006	-.05	.20
	9	15.0			-.10		.00010	.003		.200	.010	-.50	.006	-.05	.20
	76	5	14.0		.09							-.50	-.100	-.10	.20
	10	15.0			-.01		.00042	-.004		.050	-.010	-.50	-.100	-.10	.20
	78	1				.40			.100	.020	.050	.02	.050	.02	.30
	3					.18			.020	.030	.100	.01	.100	.20	.20
80	5					-1.00	-.02000	-.020	-.020	.040	-.050	-.02	-.020	-.50	.10
						.30	.00020	.010	-.010	.010	.020	-.05	-.020	-.02	.30

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA08	80	5													
	81	7				.10	-.00020	-.005	-.010	-.020	-.020	-.05	-.020	-.02	.40
	10					-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
															.30
WA09	74	10	14.0		-.10		.00010			.100	.010	-.50	.700	-.05	.80
	75	5	16.0		-.10		.04300			.400	.010	-.50	.007	.14	.20
	9	9	16.0		-.10		-.00010			1.000	.010	-.50	.009	-.05	.30
	76	5	11.0		.08							-.50	-.100	.10	.20
	10	15.0			-.01		.00011	.002		.090	.005	-.50	-.100	-.10	.20
	78	1				.10			.100	.020	.030	.03	.020	.05	.20
	3					.07			.080	.030	.100	.02	.070	-.02	.20
	9					.20	-.02000	-.020	-.020	.300	-.050	-.02	.080	-.50	.20
	79	3				5.00	-.02000	-.020	-.010	.100	-.020	-.02	-.020	-.50	.21
	80	2				2.20	-.02000	-.020	-.010	.010	-.020	-.05	-.020	-.02	.30
	4					.07	.00020	-.010	-.010	.010	.020	-.05	-.020	.02	.20
	7					.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.20
	7					-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
	10					-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
WA10	74	10	14.0		-.10		-.00010			.050	.010	-.50	.920	.17	.80
	75	5	15.0		-.10		.00320	-.007		2.000	.030	-.50	.010	-.05	.20
	9	11.0			-.10		.00040			.020	.009	-.50	.100	-.05	.30
	76	5	15.0		.04							-.50	-.100	.10	.30
	10	15.0			-.01		.00006	-.002		.040	-.004	-.50	-.100	-.10	.20
	78	1				.40			.100	.020	.100	.02	.020	.03	.30
	3					.90	-.02000	.030	.060	.060	.100	-.02	.070	.08	.30
	9									.020	.040	-.02	-.020	-.50	.30
WA11	74	10	14.0		-.10		.00030			.400	.200	-.50	.520	1.30	.50
	75	5	13.0		-.10		.00110			.070	.010	-.50	.030	.05	.20
	9	15.0			-.10		.00020			.020	.004	-.50	.010	-.05	.20
	76	5	12.0		.07							-.50	-.100	.10	.20
	10	15.0			.04		.00023	-.003		.070	-.008	-.50	-.100	-.10	.20
	78	1				.10			.060	.100	.200	.04	.030	.09	.20
	3					.32			.040	.030	-.100	.02	.070	-.02	.20
	9					.50	-.02000	-.020	-.020	-.020	-.050	-.02	-.020	-.50	.20
	79	3				4.00	-.02000	-.020	-.010	-.020	-.020	-.02	-.020	-.50	.21

NOTE: - INDICATES LESS THAN

CR-IMPACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WA12	74	10	15.0		-.10		.00020			.400	.070	-.50	.090	2.80	.70
	75	5	15.0		-.10		.00240			.300	-.010	-.50	.003	-.05	1.70
		9	15.0		-.10					1.000	.020	-.50	.020	-.05	.20
	76	5	14.0		.12							-.50	-.100	-.10	.20
	10	15.0			.02		.00102	-.0008		.050	.020	-.50	-.100	.10	.20
	78	1				.10			.060	.020	.070	.04	.020	.01	.20
		3				.10			.080	.040	.100	.02	.090	.05	.20
	9					.60			-.020	.020	-.050	-.02	-.020	-.50	.20
	79	3				2.00	-.02000	-.020	-.010	-.020	-.020	-.02	-.020	-.50	.22
	80	4				.07	-.00020	.020	-.010	.020	.020	-.05	-.020	-.02	.30
		7				.30	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
	81	5				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	.20
		7				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.10
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.20
WA13	81	7													
WA56	80	8				6.90	-.00020	-.010	-.010	-.020	-.020	-.05	.500	.02	2.00
	81	7				.40	-.00020	-.010	-.010	-.020	-.020	-.05	.100	-.02	2.40
		10				-.10	-.00020	-.010	-.010	-.020	-.020	-.05	.020	.03	13.00

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZH (MG/L)	Y (MG/L)	HB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	M (MG/L)	CU (MG/L)	V (MG/L)	BE (MG/L)
WA01	74	10	.004				.050			1.000	.010		.020	.020	-.001
	75	5	.030		.020		.003			.020	-.002			-.002	
	76	9	.020				.010			.080	-.002			.006	
	76	2	.005		.020		.003		-.002	.050	-.002		-.006	.002	
	77	4													
	77	5													
	77	8	.010				.002		.004	.100	-.008		-.010	.002	
	78	6													
	78	9													
	79	10	.002		.002		.002		.002	.030	-.004		.002	.001	
WA02	74	10			.005	.003	.020	.003	.010	.400	.005		.050	.020	-.001
	75	5	.003		-.002		.020		-.002	.070	-.004		-.007	.002	
	76	9	.002				.010			.300	-.002			-.002	
	76	5													
	79	7	.001		.001		.003		.001	.050	-.001		.001	-.001	
	80	2													
	80	4													
	81	7													
	81	5													
	81	7													
	81	10													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I	Sb	ZK	Y	MB	GE	GA	TI	SC	M	CU	V	BE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WA03	74	10	.003			.006	.010				.005		.020	.010	.001
	75	9	.002				.010			.800	.002			.006	.002
	76	2	.003		.006	.002	.010		-.002	.300	.002		-.010	.006	
	4														
	5														
	6														
	7		.006				.006		.005	.060	.005		-.005	.003	
	8														
	9														
	10		.004		.002	-.001	.003		-.001	.100	.003		-.003	.001	
	78	1													
	79	3													
	80	2													
	4														
	7														
	81	7													
	10														
	74	10	.010		.010	.004	.050	.030	.030	1.000	.010		.040	.030	
	75	5	.020		-.002		.003			.030	.002		-.002	.005	
	9						.020			.200	.008			.008	
	76	5													
	10		.010		.002		.004			.040	.003		.002	.004	
	78	1													
	80	2													
	5														
	7														
	81	7													
	10														
	74	10	.002			.001	.004			.080	.005		.004	.002	
	75	9	.001		.001		.004			.600	.002		-.001	.003	
WA06	76	2	.006		.005	-.003	.004		.003	.090	.003		.006	.009	.001
	4														
	5														
	6														
	7		.010				.003		-.004	.100	.009		-.004	.003	

NOTE: - INDICATES LESS THAN

CU-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	MB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	M (MG/L)	CO (MG/L)	V (MG/L)	HE (MG/L)
WA06	76	8													
		9													
		10	.002		.004		.002		-.002	.070	-.005		-.002	.006	
	78	1													
	79	3													
80		2													
		5													
		7													
	81	7													
		10													
WA07	74	10	.002			.001	.030	.005	.002	.100	.003		.004	.006	
	75	5	.020				.006			.030	-.002			.003	
		9	.002				.010			.500	-.004		-.002	.004	
	76	2			.006	-.001	.010			1.000	-.003		-.006	.030	
		4													
81		5													
		6													
	7	7	.005				.006	.005	.006	.040	-.010		-.005	.006	
	8	8													
		9													
82		10	.004		.003		.004			.100	-.003			.002	
	78	1													
	79	7													
	80	7													
	81	7													
WA08		10													
	74	10	.001		.004		.030	.002	.001	.300	.004		.010	.030	-.001
	75	5	.020		.020		.030				-.005		-.006	.005	
		9	.002				.010				-.004		-.002	.005	
	76	5													
83		10	.002		-.002		.002		-.002	.030	-.004		-.003	.006	
	78	1													
		3													
		9													
	80	5													
		7													

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I	SB	ZR	Y	HB	GE	GA	TI	SC	W	CO	V	BE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WA08	81	7													
		10													
WA09	74	10	.002		.010	.002	.020		.004	.300	.002		.020	.020	.001
	75	5	.006		.002		.006			.030	.002		.002	.005	
		9					.020			.700	.005		.006	.005	
	76	5													
	10		.002		.001		.005	.001	.001	.030	.002		.001	.009	
	78	1													
		3													
		9													
	79	3													
	80	2													
		4													
	7														
	81	5													
		7													
		10													
WA10	74	10	.001		.002	.002	.700	.020		.100	.002		.003	.009	.001
	75	5	.004		.004		.003			.080	.002		.002	.003	
		9	.030		.004		.010			.600	.002		.003	.002	
	76	5													
	10		.002		.001		.005		.001	.030	.002		.001	.004	
	78	1													
		3													
		9													
WA11	74	10						.060		2.000	.009		.020	.200	
	75	5					.004			.030	.005		.002	.006	
		9	.005				.002			.100	.001		.001	.003	
	76	5													
	10		.002		.001		.003		.002	.050	.003		.003	.005	
	78	1													
		3													
		9													
	79	3													
WA12	74	10			.007		.009			.400	.020		.009	.010	
	75	5	.003				.006		.002	.010	.006			.002	

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	HB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	M (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
W12	75	9	.010				.040			1.000	-.004			.008	
	76	5													
	78	1	.004		.040		.005		.004	.060	-.009		-.010	.001	
		3													
		9													
	79	3													
	80	4													
		7													
	81	5													
		7													
		10													
W13	81	7													
W456	80	8													
	81	7													
		10													

-0.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L) CACO3	H2-ALKALINITY (MG/L) CACO3	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA01	74	10	-0.1						4.0			
	75	5	-0.1						2.0			
	75	9	-0.1						13.0	11.0		
	76	2										
		4										
		5							3.4	11.0		
		6										
		7										
		8										
		9										
		10							16.0			
	77	12										
	78	3										
	79	2							27.0	82.0	1.2	
	79	3							20.0	38.0	1.1	
	80	2										
		7										
		4										
	81	5										
		7					-0.10		8.0	5.0		
		10					-0.10		-5.0	1.0	1.3	
WA02	74	10	-0.1						2.0			
	75	5	-0.1						6.0			
	75	9	-0.1						5.0	12.0		
	76	5							0.1			
		10							4.5	7.0		
	79	7										
	80	2										
		4										
		7										
	81	5							2.0			
		7										
		10					-0.10		-5.0	1.0		
							-0.10					

NOTE: - INDICATES LESS THAN

CD-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH		CH	P-ALKALINITY		SCN	TURBIDITY	TOTAL		MADIUM-226	MADIUM-226
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)			ALPHA	BETA	(PCI/L)	(PCI/L)
						CAC03)	CAC03)	(MG/L)	(MG/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)
WA03	74	10	-0.1							1.0	6.0		
	75	9	-0.1										
	76	2											
		4											
		5											
		6								2.1	3.0		
		7											
		8											
		9											
		10								11.0	8.0		
	78	1											
	79	3								9.0			
		7											
		80											
		2											
		4											
		7											
		10											
	81	7						-0.10		-4.0	-2.0		.2
		10						-1.00					
WA05	74	10	-0.1							6.0			
	75	5	-0.1							4.0			
		9	.1							2.9			
	76	5								6.9	13.0		
		10											
	78	1											
		80											
		2											
		5									6.0		
		7											
	81	7						-0.10		-3.0	1.0		.6
		10						-0.10					
WA06	74	10	-0.1										
	75	9	-0.1							3.0			
	76	2								7.0			
		4											
		5											
		6								3.0			

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	MU-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA08	80	5										
		7										
	81	7										
		10					-0.10 -0.10		-3.0	5.0	-0.5	
WA09	74	10	-0.7									
	75	5	-0.1						6.0			
		9	-0.1						2.0			
	76	5							1.3			
		10							3.5			
	78	1										
		3										
	79	3							190.0	18.0	2.5	
	80	2							8.1	5.0		
		4										
		7										
	81	5										
		7										
		10					-0.10 -0.10		-3.0	-2.0 -2.0	-0.5	
WA10	74	10	-0.1						2.0			
	75	5	-0.1						9.0			
		9	-0.1						5.0			
	76	5							2.6			
		10							6.1	1.0		
	78	1								12.0		
		3										
		9										
WA11	74	10	-0.1						5.0			
	75	5	-0.1						7.0			
		9	-0.1						3.0	3.0		
	76	5							9.0	5.0		
		10							6.4			
	78	1							3.1			
		3										
		9								23.0		
	79	3										

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO3)	HU-ALKALINITY (MG/L CACO3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
WA12	74	10	-0.1						2.0			
	75	5	-0.1						4.0			
	75	9	-0.1						3.0			
	76	5							3.3	11.0		
	76	10							6.3			
	78	1							1.6			
		3										
		9							13.0	5.6		
	79	3							1.9	26.0		
	80	4										
		7										
	81	5										
		7							-4.0	8.0		
		10							-4.0	8.0		
									-5.0	-4.0		
WA13	81	7							-1.0	2.0		
WA56	80	8										
	81	7										
		10										
									-3.0	-3.0	.2	

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL CULIFORM (COLONY/ML)	TOTAL CULIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
MA01	74	10						.050						.007
	75	5						.008						.020
	76	2				6.0		.010						-.001
	76	4				9.3								
	76	5				3.7								
	76	6				4.2								
	76	7						.030						.003
	76	8				9.0								
	76	9												
	77	12						.010						-.001
	78	3			.020			.020		1220.0				
	78	9	-1.00		.040			-.020		1230.0				
	79	2			-.020	23.0		-.020	42.0	1300.0				
	79	3	-1.00	-1.0	-.020		.04	-.020	.9	1200.0				
	80	7			-.020			-.020		1300.0				
	80	2			-.010	-1.0		.020						
	80	4	-1.00	7.0	-.010			-.020						
	81	7			-.010	2.9		-.020						
	81	5			-.010	-1.0		-.020				3.6		
	81	7			-.010	-1.0		-.020						
	81	10	-1.00	-1.0	-.010	-1.0		-.020						
MA02	74	10						.050						
	75	5						.010						
	76	5				2.4		.010						-.001
	76	10			.003									
	79	7			-.020			-.020		830.0				
	80	2			-.010			.020						
	80	4	-1.00	-1.0	-.010	8.0		-.020						
	81	7			-.010	1.9		-.020						
	81	5			-.010	-1.0		-.020						
	81	7			-.010	-1.0		-.020				307.0		
	81	10	-1.00	1.0	-.010	2.8		-.020						
	81	10	-1.00	1.0	-.010	-1.0		-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA03	74	10						.070						
	75	9						.010						
	76	2				3.0		.020						.007
	76	4				8.2								
	76	5				2.8								
	76	6				3.9								
	76	7				7.0		.008						.004
	76	8												
	76	9												
	76	10						.010						.001
WA05	78	1						.020		920.0				
	79	3	-1.00	-1.0			.04	.020	.9	920.0				
	79	7						.020		980.0				
	80	2						.030						
	80	4	-1.00	2.0				.020						
	80	7						.020						
	81	7						.020						
	81	10	-1.00	-1.0				.020						
	81	74						.090						.002
	81	75						.004						
WA06	76	5						.006						
	76	5						.006						
	76	10						.006		867.0				
	78	1						.020						
	80	2						.040						
	80	5	-1.00	-1.0				.020						
	81	7						.020						
	81	7						.020						
	81	10	-1.00	-1.0				.020						
	81	74						.020						
WA06	75	9						.003						
	76	2						.030						
	76	4												
	76	5												
	76	6												
	76	6												

NOTE: - INDICATES LESS THAN

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA06	76	7				7.0		.020						-.003
		8												
		9												
		10												
	78	1			.020			.020		986.0				-.002
	79	3	-1.00	-1.0	-.020		.04	-.020	.9	1000.0				
		7			-.020			-.020		930.0				
	80	2			-.010			.050						
		5	-1.00	-1.0	-.010	-1.0		-.020						
						3.2								
		7			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	-1.0	-.010	2.0		-.020						
WA07	74	10						.020						
	75	5						.003						.010
		9						.008						.002
	76	2				7.0		.030						
		4				8.5								
		5												
		6												
		7						.007						-.004
		8				4.7								
		9				11.0								
		10												.001
	78	1			.020			.020		794.0				
	79	7			-.020			-.020		710.0				
	80	7			-.010			-.020						
	81	7			-.010			-.020						
		10	-1.00	4.0	-.010	5.0		.020						
WA08	74	10						.010						.002
	75	5						.020						.030
		9						.008						
	76	5			-.009			.010						-.002
		10			.020			.020						
	78	1	-1.00		.020	39.0		-.020		940.0				
		3			-.020			-.020		970.0				
		9	-1.00	-1.0	-.020	-1.0	-1.00	-.020	-1.0	1000.0				
	80	5	-1.00	-1.0	-.100	-1.0		-.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	SC03 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA08	80	5				1.5								
	81	7			-.010			-.020						
	10		-1.00	-1.0	-.010	1.0		-.020						
WA09	74	10						.040						
	75	5						.004						
	76	5						.009						
	78	10			.005			.010						
	78	1	-1.00		.020	30.0		.020		771.0				
	78	3			.020			-.020		980.0				
	79	3			-.020			-.020		840.0				
	80	2	-1.00	-1.0	-.020		-.05	-.020	-1.0	1000.0				
	80	4	-1.00	8.0	-.010			.060						
	7				-.010	2.0		-.020						
WA10	74	10				1.0								
	81	5			-.010			-.020						
	7				-.010	-1.0		-.020						
	10		-1.00	6.0	-.010	7.0		-.020						
	74	10						.020						
	75	5						.020						
	76	5						.008						
	78	10			.040			.004						
	78	1	-1.00		-.020	37.0		.020		933.0				
	9		-1.00		-.020	19.0		-.020	29.0	970.0				
WA11	74	10						.100						
	75	5						.009						
	76	5						.004						
	78	10						.010						
	78	1	-1.00		.020	39.0		.020		1060.0				
	79	3	-1.00		-.020			-.020		1200.0				
	79	3	-1.00	-1.0	-.020	13.0		-.020	33.0	1100.0				
					-.020		-.05	-.020	-1.0	820.0				

NOTE: - INDICATES LESS THAN

CB-TPACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
ALLUVIAL WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WA12	74	10						.020						
	75	5						.010						.007
		9						.020						.030
76	5													
	10							.020						.006
78	1		-1.00			38.0		.020		1090.0				
	3							.020		1400.0				
	9		1.00			12.0		.020	36.0	1200.0				
79	3		-1.00	-1.0			-.05	.020	-1.0	1200.0				
80	4		-1.00	-1.0		3.0		.020						
	7							.020						
81	5					-1.0		.020						
	7							.020						
	10		-1.00	6.0		5.0		.030						
WA13	81	7												
WA56	80	8												
	81	7						.020						
	10		-1.00	5.0		10.0		.030						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
----	--	--	-----	-----	-----	-----
WX02	74	11	8.9	1600.0		
	75	4	8.7	1600.0		
		10	9.1	1600.0		
	76	10	8.9	1583.0		
	77	11	8.8	1550.0	20.0	4.6
	78	5	8.8	1800.0	4.6	12.0
		11	8.6	1500.0	12.0	4.0
	79	5				
		12				
	80	6	8.3	1650.0	14.0	4.3
WX04	74	11	8.4	800.0		
	75	4	8.7	800.0		
		10	8.8	800.0		
	76	10	8.6	890.0		
	77	11	7.4	700.0	18.0	
	78	5	8.0	900.0	17.0	3.1
	79	12				
	80	6	7.6	935.0	19.0	3.5
WX10	75	4	8.6	1300.0		
		10	8.4	1300.0		
	76	10	8.3	1458.0		
	78	6	7.1	1500.0	17.0	2.4
		11	7.6	1500.0	14.0	3.0
	79	5				
WX12	75	4	8.7	1200.0		
		10	8.7	1200.0		
	76	5	8.3	1000.0		
		10	8.6	1347.0		
	77	11	8.3	1200.0	17.0	4.1
	78	5	7.9	1200.0	18.0	8.0
		11	7.6	1200.0	10.0	2.0
	79	5				
		12				
	80	5	8.0	1510.0	17.0	3.1
WX14	80	8	7.4	1310.0	18.0	6.2
WX17	75	4	8.8	4200.0		
		10	9.0	2500.0		
	76	5	8.8	1200.0		

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
----	--	--	----	-----	-----	-----
WX17	76	10	8.9	1661.0		
	77	11	9.0	1550.0	16.0	1.4
	78	5	8.5	1700.0	16.0	2.5
		11	8.2	1450.0	16.0	1.0
	79	5				
		12				
WX18	74	11	8.2			
	75	5	8.7	900.0		
		10	8.8	800.0		
	76	10	8.8	1019.0		
	79	12				
	80	6	7.6	1110.0	17.5	4.6
WX19	74	11	8.4	2800.0		
	75	4	8.6	2800.0		
		10	9.0	2600.0		
	76	10	8.8	2864.0		
	78	6	7.9	2700.0	18.0	.5
		11	8.7	2900.0	8.0	2.0
	79	5				
		12				
WX20	75	4	8.7	2800.0		
		10	9.0	2600.0		
	76	5	8.4	2500.0		
		10	8.8	2845.0		
	77	11				
	78	5	8.1	2600.0	18.0	.8
		11	8.0	1800.0	14.0	2.0
	79	5				
WX21	75	4	8.5	1000.0		
		10	8.9	900.0		
	76	10	8.7	1055.0		
	78	5	8.3	825.0	14.0	2.5
	79	5				
		12				
	80	6	7.8	1320.0	18.0	7.1
WX32	80	2				
	82	11	9.1	930.0	14.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/GM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
----	--	--	-----	-----	-----	-----
WX33	80	2				
WX38	81	7	12.1	3710.0	20.0	5.2
WX44	74	11	8.6	1200.0		
	75	4	8.5	1200.0		
		10	8.5	1400.0		
	76	5	8.4	1400.0		
		10	8.6	1595.0		
	78	5	7.8	1400.0	19.0	3.6
	79	5				
		12				
	81	7	8.0	1280.0	24.0	1.6
	82	5	8.0	1120.0	12.2	
		8	8.3	1230.0		
		12	8.4	1290.0	10.0	
WX55	75	4	8.9	1600.0		
		10	8.7	2000.0		
	76	10	8.4	1890.0		
	77	11	8.5	1100.0	19.0	3.6
	78	5	8.6	1180.0	12.0	3.8
		11	8.1	1100.0	5.5	3.0
	79	5				
		12				
	80	6	7.7	2290.0	23.0	2.5
WX63	75	4	8.3	1500.0		
		10	8.4	1600.0		
	76	5	8.3	1500.0		
		10	8.7	1584.0		
	77	11	9.4	1250.0	14.0	3.2
	78	5	8.6	1200.0	16.5	3.7
		11	7.8	1300.0	12.0	2.0
	79	5				
		12				
WX82	75	4	8.8	2100.0		
		10	8.8	1800.0		
WX92	74	11	8.5	1600.0		
	75	4	8.1	2000.0		
		10	8.4	1800.0		

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 UPPER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
----	--	--	-----	-----	-----	-----
WX92	76	5	8.1	1500.0		
		10	8.3	1822.0		
	77	11	7.6	2000.0	14.0	2.8
	78	5	8.3	2000.0	22.0	3.6
		11	8.7	1500.0	12.0	2.0
	79	5				
		12				
	80	6	6.9	2240.0	14.0	.8

CB-THACT
QUANTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK		AMMONIA		AS	BA	HCO ₃		CO ₃	BR	HARDNESS	NA	MG	CA
			(MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)	(MG/L)		(MG/L)	(MG/L)	(MG/L)		
			CA	AL	AS N				CA	CO ₃			CA			
W402	74	11			.500	.020	.04	500.0	24.0	.030	39.0	380.0	4.0	6.0		
	75	4		.500	.500	.020	.10	550.0	46.0	.030	24.0	350.0	3.0	3.0		
		10		.500	.600	.005	.02	500.0	22.0	.010	48.0	370.0	4.0	5.0		
	76	10		.030	.140	.005	.03	550.0	16.0	.010		367.0	4.0	6.0		
	77	11	640.0	.400	.710	.020	.50	600.0	38.0	.100	36.0	340.0	4.1	8.0		
	78	5	500.0	.400	.160	.020	.50	460.0	40.0	.100	44.0	390.0	5.0	16.0		
	11	450.0	.200	.200	.200	.020	.50	350.0	60.0	.100	42.0	370.0	6.0	10.0		
	79	5	500.0	.100	.200	.020	.50	380.0	110.0	.100	65.0	370.0	3.7	5.1		
	12	500.0	.100	.100	.040	.020	.50	380.0	120.0	.100	39.0	370.0	4.7	7.8		
	80	6	520.0	.100	.300	.020	.50	410.0	110.0	.100	40.0	360.0	5.6	6.8		
W404	74	11		.300	.400	.010	.02	350.0	5.0	.030	180.0	150.0	23.0	22.0		
	75	4		.500	.500	.005	.03	400.0	8.0	.060	170.0	150.0	25.0	23.0		
		10		.040	.140	.005	.10	340.0	22.0	.003	190.0	140.0	27.0	20.0		
	76	11	420.0	.200	.040	.020	.50	410.0	8.0		176.0	135.0	22.0	23.0		
	78	5	280.0	.200	.040	.020	.50	260.0	20.0	.100	130.0	140.0	2.0	6.0		
	79	12	310.0	.100	.500	.020	.50	250.0	60.0	.100	130.0	110.0	13.0	21.0		
	80	6	310.0	.100	.500	.020	.50	310.0	1.0	.100	100.0	140.0	12.0	22.0		
W410	75	4		.060	1.700	.006	.02	440.0	12.0	.020	370.0	180.0	50.0	57.0		
		10		.100	.800	.030	.04	400.0	3.0	.020	380.0	190.0	58.0	58.0		
	76	10		.100	.160	.006	.04	357.0	7.0	.020		186.0	58.0	37.0		
	78	6	420.0	.100	.300	.020	.50	400.0	20.0	.300	400.0	1500.0	36.0	54.0		
	11	410.0	.300	.750	.750	.020	.50	410.0	1.0	.100	430.0	220.0	62.0	73.0		
	79	5	370.0	.100	.200	.020	.50	340.0	30.0	.200	500.0	190.0	41.0	51.0		
W412	75	4		.900	.500	.030	.04	580.0	24.0	.020	270.0	230.0	43.0	29.0		
		10		.020	.400	.004	.02	510.0	12.0	.020	60.0	220.0	56.0	30.0		
	76	5		.020	1.500	.005	.02	575.0	3.0	.006		200.0	48.0	41.0		
		10		.020	.370	.009	.06	539.0	11.0	.009	290.0	204.0	53.0	27.0		
	77	11	640.0	.300	.340	.020	.50	605.0	30.0	.300		190.0	44.0	28.0		
	78	5	490.0	.100	.540	.020	.50	490.0	1.0	.300	300.0	300.0	10.0	34.0		
		11	480.0	.200	.200	.020	.50	430.0	50.0	.100	330.0	230.0	60.0	34.0		
	79	5	780.0	.100	1.000	.020	.50	740.0	50.0	.100	140.0	420.0	12.0	11.0		
		12	500.0	.100	.700	.020	.50	410.0	90.0	.100	150.0	240.0	27.0	17.0		
	80	5	650.0	.100	1.000	.020	.50	390.0	260.0	.100	74.0	230.0	13.0	8.2		
W414	80	8	380.0	.100	.100	.020	.50	380.0	1.0	.100	380.0	180.0	51.0	70.0		

NOTE: - INDICATES LESS THAN

CB-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AMMONIA		AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)	CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
				AL (MG/L)	AS N (MG/L)									
*X17	75	4		.070	7.900	.030	.10	2100.0	60.0	.200	84.0	1200.0	7.0	7.0
		10		.100	1.900	.020	.30	890.0	32.0	.050	72.0	44.0	8.0	21.0
		76	5	.020		.020	.06	604.0	15.0	.030		296.0	2.2	4.0
		10		.060	.430	.008	.10	883.0	28.0	.010		330.0	3.0	9.0
		77	11	.500		-.020	1.30	1080.0	61.0		34.0	420.0	4.0	9.0
		78	5	.300	2.360	-.020	-.50	760.0	80.0	-.100	50.0	2200.0	5.0	6.0
		11	1500.0	.200	1.400	-.020	-.50	1370.0	130.0	-.100	200.0	440.0	4.0	7.0
		79	5	900.0	1.300	-.020	-.50	810.0	90.0	-.100	60.0	410.0	3.1	5.7
		12	750.0	-.100	1.300	-.020	-.50	620.0	130.0	-.100	25.0	360.0	2.9	5.2
*X18	74	11		.500		.020	.03	470.0		.010		140.0	30.0	24.0
		75	5	.030	1.000	.006	.04	460.0	18.0	.008	240.0	150.0	37.0	29.0
		10		.200	.600	.006	.04	420.0	11.0	.010	190.0	150.0	29.0	19.0
		76	10	.040	3.100	.003	.05	411.0	17.0	.004		148.0	35.0	26.0
		79	12	400.0	-.040	-.020	-.50	300.0	100.0	-.100	69.0	140.0	14.0	4.6
		80	6	440.0	.100	-.020	-.50	370.0	70.0	-.100	320.0	150.0	46.0	51.0
*X19	74	11			.100	-.001	.20	1800.0	66.0	.010	29.0	760.0	3.0	7.0
		75	4	.050	1.100	.002	.20	2000.0	24.0	.008	30.0	780.0	3.0	5.0
		10		.300	1.500	.001	.10	1600.0	76.0	.020	32.0	910.0	3.0	5.0
		76	10	.003	1.200	.001	.30	1780.0	42.0	.006		760.0	3.0	5.0
		78	6	900.0	1.680	-.020	1.00	820.0	80.0	-.100	40.0	2300.0	2.0	4.0
		11	1500.0	-.020	2.100	-.020	2.00	1300.0	200.0	-.100	50.0	840.0	4.0	10.0
		79	5	1500.0	1.500	-.020	1.70	1300.0	200.0	-.100	50.0	740.0	3.2	9.3
		12	1400.0	-.100	2.200	-.020	3.20	1200.0	200.0	-.100	28.0	700.0	2.8	6.7
		400.0		-.100	1.200	-.020	3.40	330.0	68.0	-.100	27.0	730.0	2.7	6.4
*X20	75	4		.040	1.400	.004	.30	2000.0	32.0	.010	32.0	770.0	3.0	4.0
		10		.500	1.000	.004	.30	1600.0	74.0	.030	32.0	760.0	3.0	4.0
		76	5	.003	4.100	.003	.20	1870.0	20.0	.010		752.0	2.9	5.6
		10		.020	.600	-.002	.40	1780.0	42.0	.006		737.0	3.0	5.0
		77	11	2120.0		-.020	2.00	2110.0	15.0		40.0	700.0	3.2	6.2
		78	5	1650.0	1.380	-.020	1.00	1420.0	230.0	-.100	62.0	2000.0	2.0	7.0
		11	1500.0	.100	1.900	-.020	3.00	1420.0	80.0	-.100	40.0	840.0	4.0	9.0
		79	5	1500.0	1.300	-.020	2.00	1400.0	160.0	-.100	70.0	740.0	3.0	8.3
*X21	75	4		.060	.400	.006	.10	500.0	9.0	.020	160.0	190.0	25.0	19.0
		10		.100	.400	.006	.01	420.0	16.0	.020	140.0	180.0	20.0	16.0
		76	10	.040	3.000	.006	.09	465.0	11.0	.004		163.0	24.0	20.0

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	TOTAL ALK		AMMONIA		BA	HCO ₃		CO ₃	BH	HARDNESS		NA	MG	CA
			(MG/L)	(MG/L)	AS N	AS		(MG/L)	(MG/L)		(MG/L)	(MG/L)	(MG/L)			
			CA	CO ₃				CA	CO ₃	CA	CO ₃	CA	CO ₃			
*A21	78	6	420.0	.200	.300	-.020	-.50	340.0	80.0	.400	150.0	2000.0	15.0	16.0		
	79	5	420.0	-.100	.500	-.020	-.50	360.0	60.0	-.100	160.0	170.0	21.0	19.0		
	12	390.0	-.100		.200	-.020	-.50	310.0	80.0	-.100	170.0	160.0	27.0	25.0		
	80	6	430.0	-.100	-.040	-.020	-.50	360.0	70.0	-.100	170.0	170.0	27.0	24.0		
*A32	80	2	1200.0	-.100	1.500	-.020	1.00	1100.0	100.0	-.100	37.0	540.0	5.6	5.7		
	82	11	500.0	-.100	.100	-.020	-.50	480.0	20.0	-.100	41.0	260.0	6.0	6.7		
*A33	80	2	1100.0	-.100	1.500	-.020	.80	1000.0	100.0	-.100	41.0	460.0	6.4	5.9		
*A36	81	7	790.0	-.100	2.300	-.020	.60	-1.0	790.0	-.100	700.0	200.0	.2	280.0		
*A44	74	11	.900	.080	.200	.060	.02	450.0	9.0	.020	150.0	220.0	23.0	15.0		
	75	4	.080	.070	1.100	.020	.06	460.0	9.0	.020	300.0	230.0	45.0	44.0		
	10				.800	.040	.05	410.0	7.0	.050	340.0	210.0	54.0	51.0		
	76	5			1.800	.013		451.0	3.3			200.0	50.0	52.0		
	10				.220	.004	.08	478.0	8.0	.005		226.0	45.0	30.0		
	78	5	410.0	.700	.700	-.020	.50	370.0	40.0	-.100	410.0	200.0	14.0	57.0		
	79	5	390.0	-.100	.700	-.020	-.50	370.0	20.0	-.100	420.0	230.0	50.0	54.0		
	12	470.0	-.100		.200	-.020	1.40	350.0	120.0	-.100	300.0	220.0	44.0	47.0		
81	7	590.0	-.100		.700	-.020	-.50	490.0	90.0	-.100	240.0	260.0	36.0	35.0		
82	5	670.0	-.100		1.200	-.020	-.50	650.0	3.0	-.100	72.0	310.0	10.9	11.0		
	8	460.0	-.100		.800	-.020	-.50	450.0	10.0	-.100	190.0	320.0	29.0	27.0		
	12	380.0	-.100		.500	-.020	-.50	380.0	-1.0	-.100	300.0	240.0	48.0	39.0		
*A55	75	4	.040	.400	.700	.020	.03	820.0	36.0	.050	340.0	350.0	70.0	16.0		
	10		.030	.500	2.000	.006	.20	1100.0	24.0	.030	280.0	410.0	51.0	23.0		
	76	10			2.480	.050	.80	1010.0	11.0	.007		348.0	57.0	43.0		
	77	11	800.0	.500		-.020	.00	760.0	34.0		52.0	280.0	4.8	6.3		
	78	5	600.0	.500	.960	-.020	.60	580.0	20.0	-.100	44.0	320.0	6.0	16.0		
	11	550.0	-.020		1.600	-.020	.60	460.0	90.0	-.100	38.0	370.0	6.0	8.0		
	79	5	470.0	-.100	.800	-.020	-.50	420.0	50.0	-.100	550.0	200.0	89.0	30.0		
	12	600.0	.100		.200	.040	1.30	470.0	130.0	-.100	36.0	280.0	5.0	6.1		
	80	6	470.0	-.100	1.100	-.020	1.60	430.0	38.0	-.100	150.0	190.0	98.0	43.0		
*A63	75	4	.500	.005	1.800	.009	.06	440.0	6.0	.010	560.0	180.0	99.0	74.0		
	10		.010	.040	.800	.004	.02	440.0	6.0	.010	630.0	180.0	120.0	76.0		
	76	5			2.400	.001	.20	461.0	4.2	.010		176.0	88.0	72.0		
	10				.280	.005	.05	407.0	10.0	.004		181.0	90.0	55.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MU	TOTAL ALK		AMMONIA		AS	BA	HCO ₃	CO ₃	BR	HARDNESS	NA	MG	CA
			(MG/L)	(CACU3)	AL	AS N	(MG/L)	(MG/L)	(MG/L)	(CACU3)	(MG/L)	(CACU3)	(MG/L)	(MG/L)	(MG/L)
*X63	77	11	720.0		.300		-.020	.50	660.0	49.0		20.0	320.0	2.0	3.0
	78	5	670.0		.300	.900	-.020	6.00	630.0	40.0	-.100	42.0	350.0	4.0	5.9
	79	5	610.0		-.020	.470	-.020	-.50	540.0	60.0	-.100	350.0	200.0	5.0	10.0
	79	5	560.0		-.100	1.100	-.020	-.50	430.0	130.0	-.100	40.0	320.0	1.6	4.2
	12		600.0		-.100	1.100	-.020	-.50	340.0	260.0	-.100	15.0	260.0	1.5	3.4
*X82	75	4			.040	1.600	.030	.60	1300.0	42.0	.050	180.0	510.0	27.0	20.0
	10				.400	.900	.020	.10	1100.0	30.0	.020	190.0	430.0	25.0	18.0
*X92	74	11			.700	.200	.009	.07	740.0	12.0	.030	570.0	270.0	100.0	117.0
	75	4			.050	.800	.010	.10	820.0	-1.0	.030	640.0	220.0	150.0	84.0
	10				.300	.500	.003	.03	640.0	6.0	.060	720.0	210.0	140.0	77.0
	76	5			.007	1.100	.005	.01	793.0		.020		200.0	129.0	100.0
	10				.030	.320	.020	.03	677.0	6.0	.090		195.0	133.0	92.0
	77	11	780.0		.300		-.020	.50	780.0	2.0		780.0	180.0	127.0	52.0
	78	5	850.0		.500	1.250	-.020	.70	760.0	90.0	-.100	28.0	400.0	41.0	6.0
	11		780.0		-.020	1.700	.040	.70	710.0	70.0	-.100	20.0	440.0	3.0	6.0
	79	5	600.0		-.100	.400	-.020	-.50	600.0	-1.0	-.100	800.0	190.0	110.0	88.0
	12		610.0		-.100	.200	-.020	1.00	610.0	-1.0	-.100	690.0	210.0	120.0	78.0
	80	6	600.0		-.100	.100	-.020	.60	600.0	-1.0	-.100	680.0	180.0	110.0	90.0

NOTE: - INDICATES LESS THAN

CR-FRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	MO	MG/L	NO ₃	MG/L	GREASE	PHENOLS	K	B	TOTAL DISS SOLIDS	SR	SU ₄	CL	COD	CH	CU
				(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
W102	74	11		.040	.30				3.0	2.90	1000.0	.7	330.0	10.0		.300	3.000
	75	4		.040	1.20				6.0	.10	1000.0	.8	300.0	11.0		.010	.050
	75	10		.009	.30				3.0	1.60	980.0	2.0	320.0	11.0		.010	.004
	76	10		.030	.36				2.0	.10	1025.0	.2	325.0	12.0		.020	.020
	77	11		.020	2.20	28.0			4.5	.09		2.0	124.0	15.0	8.0	.080	.060
	78	5		.100	5.00	10.0		.0020	1.2	.09		2.0	240.0	16.0	28.0	.020	.020
	79	5		.020	.10	6.0		.0080	1.3	.04		3.0	310.0	15.0	2.0	.020	.020
	79	5		.020	37.00	5.0		.0010	.8	.20	1000.0	1.2	320.0	17.0	8.3	.020	.020
W104	74	11		.030	59.00	7.0		.0290	4.0	.10	1000.0	1.9	390.0	5.2	15.0	.020	.020
	80	6		.020	.50	11.0		.0010	2.6	.10	1100.0	2.7	280.0	39.0	9.0	.020	.020
	74	11		.020	.20				-1.0	2.80	520.0	2.0	140.0	2.0		.030	.500
	75	4		.040	.40				1.0	.40	550.0	3.0	130.0	7.0		.010	.090
	76	10			.80				1.0	.10	540.0	5.0	140.0	7.0		.010	.007
	76	10		.030	.06				.7	.07	557.0	1.7	142.0	6.0		.010	.020
	77	11		.020	2.00	8.0			.8	.22		6.8	103.0	8.0	36.0	.020	.020
	78	5		.100	2.00	8.0		.0010	.9	.04		7.0	130.0	8.0	38.0	.100	.200
W110	79	12		.020	120.00	1.0		.0050	.5	.10	480.0	6.3	180.0	16.0	6.0	.020	.020
	80	6		.020	.50	8.0		.0040	.6	.10	560.0	8.0	120.0	7.5	48.0	.020	.020
	75	4		.040	.10				1.0	3.20	940.0	4.0	360.0	13.0		.010	.005
	76	10		.030	.10				1.0	.30	840.0	4.0	360.0	8.0		.010	.030
	76	10		.007	.03				.7	.01	905.0	1.7	410.0	4.0		.010	.010
	78	6		.100	3.00	13.0		.0040	.9	.04		11.0	360.0	8.0	24.0	.100	.200
	79	11		.080	.10	30.0		.0010	1.0	.20		10.0	360.0	2.6	4.0	.020	.020
	79	5		.020	32.00	17.0		.0010	.5	.10		6.6	330.0	25.0	8.3	.020	.020
W112	75	4		.020	.10				1.0	.42	690.0	2.0	240.0	18.0		.010	.050
	76	10		.030	.20				1.0	.80	800.0	3.0	200.0	9.0		.010	.040
	76	5			.04				.5	.03	840.0	3.0	234.0	8.0		.007	.010
	77	11		.030	.10				.7	.30	834.0	3.3	239.0	8.0		.004	.010
	77	11		.020	.10	-1.0			.8	.30		13.0	45.0	8.0	84.0	.040	.030
	78	5		.100	5.00	7.0		.0010	.1	.20		10.0	190.0	6.0	42.0	.100	.200
	78	5		.020	.10	20.0		.0050	2.0	.04		13.0	220.0	10.0	2.0	.020	.020
	79	5		.020	38.00	6.0		.0070	.7	.30		3.8	18.0	10.0	17.0	.020	.020
W114	79	12		.020	25.00	1.0		.0010	.6	.30	800.0	7.7	120.0	3.2	6.0	.020	.020
	80	5		.010	.50	6.0		.0010	2.8	.60	770.0	2.2	53.0	47.0	-1.0	.020	.020
	80	6		.010	.50	9.0		.0010	1.3	.10	1000.0	11.0	390.0	6.5	2.0	.020	.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	MO	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CH (MG/L)	CU (MG/L)
W17	75	4	.100	1.90			9.0	18.00	3100.0	.2	99.0	514.0		-.010	.010
	76	5	.020	.20			3.0	6.20	1100.0	.7	35.0	77.0		-.010	.007
	77	10	.006	.06			1.7	.20	749.0	.1	91.0	14.0		-.020	.020
	77	11	.020	5.30	16.0		3.0	1.34	941.0	.2	21.0	20.0		.007	.007
	78	5	.100	4.00	8.0	.0010	.2	1.00		.9	300.0	16.0	96.0	.060	-.020
W18	74	11	.030	.20			-1.0	1.40	540.0	.3	84.0	3.0		-.010	.020
	75	5	.010	.10			1.0	.70	620.0	2.0	130.0	4.0		-.010	.010
	76	10	.030	.20			1.0	.70	520.0	3.0	77.0	3.0		-.010	.010
	76	10	.030	.04			.3	.10	597.0	1.9	131.0	4.0		.010	.020
W19	79	12	.020	16.00	2.0	.0010	.4	1.10	430.0	3.4	6.0	4.2	4.0	-.020	-.020
	80	6	.010	.50	2.0	.0010	.4	.20	770.0	13.0	170.0	38.0	26.0	-.020	-.020
	74	11	.003	.10			1.0	2.00	1800.0	.4	-4.0	10.0		.002	.080
	75	4	.008	.20			1.0	1.60	1800.0	.4	23.0	11.0		-.010	.050
W20	76	10	.003	.03			.9	1.40	1800.0	.4	-4.0	14.0		-.010	.010
	76	10	.003	.03			1.0	.20	1741.0	.4	4.0	12.0		.002	.008
	78	6	.200	4.00	.1	.0720	1.0	1.00		2.0	82.0	14.0	36.0	-.100	-.200
	79	5	.020	.10	70.0	.0010	2.0	1.00		2.0	-5.0	18.0	30.0	-.020	-.020
W21	79	12	.020	5.00	15.0	.0010	1.2	1.70	1800.0	1.6	-5.0	13.0	6.2	-.020	-.020
	79	5	.020	.10	7.0	.0230	1.0	1.30	1800.0	1.6	8.0	1.6	2.0	-.020	-.020
	75	4	.030	.90			1.0	1.60	1900.0	.7	27.0	13.0		-.010	.030
	76	5	.008	.38			1.0	2.20	1700.0	.4	-4.0	13.0		-.010	.020
W22	77	10	.020	2.90			.9	.40	1745.0	.4	-4.0	12.0		.005	.030
	77	11	.020	2.40	20.0		1.3	3.00	1715.0	.5	5.0	12.0		-.020	.030
	78	5	.200	6.00	3.0	.0060	.1	1.38		1.8	33.0	14.0	8.0	-.020	-.200
	79	5	.050	8.00	11.0	.0040	1.0	1.00		2.0	8.0	16.0	4.0	-.100	-.200
W23	79	5	.020	.10	10.0	.0010	.7	4.00	1800.0	3.0	-5.0	19.0	10.0	-.020	-.020
	75	4	.020	.60			1.0	1.50		1.6	-5.0	15.0	4.2	-.020	-.020
	76	10	.020	.08			.3	.40	590.0	2.0	80.0	2.0		-.010	.005
W24	75	4	.020	.60			1.0	.20	540.0	.5	79.0	2.0		-.010	.010
	76	10	.020	.08			.3	.40	612.0	1.0	14.0	4.0		.009	.010

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	MO	NO3	OIL AND GREASE	PHENOLS	K	B	TOTAL DISS SOLIDS	SR	SO4	CL	COD	CR	CU
---	---	---	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
W421	78	6	-0.100	4.00	20.0	.1300	.5	.20		5.0	28.0	4.0	28.0	-.100	-.200
	79	5	.020	84.00	4.0	-.0010	.4	.20		4.5	110.0	7.5	6.0	-.020	-.020
	12		-.020	-.10	5.0	-.0010	.3	.20	670.0	11.0	150.0	2.8	2.0	-.020	-.020
	80	6	-.010	-.250	1.0	-.0010	.4	.20	680.0	7.4	110.0	32.0	15.0	-.020	-.020
W432	80	2	-.010	-.10	2.0	-.0010	3.8	.10	1400.0	2.8	5.0	26.0		-.010	-.010
	82	11	-.010	-.50	-10.0	-.0010	.8	.60	580.0	-.5	19.0	4.5	-50.0	-.020	-.020
W433	80	2	-.010	-.10	2.0	-.0010	3.2	.20	1500.0	2.9	11.0	20.0	3.0	-.010	-.010
W438	81	7	.040	-.50	15.0	.0850	42.0	-.10	1200.0	4.8	300.0	81.0	-50.0	-.020	-.020
W444	74	11		-.10			4.0	1.50	750.0	2.0	250.0	7.0		.000	.030
	75	4	.020	.50			4.0	.16	880.0	3.0	300.0	6.0		-.010	.020
	10		.030	1.50			1.0	.30	920.0	3.0	370.0	7.0		-.010	.005
	76	5	.020	.04			2.6		935.0	3.6	370.0	9.0			
	10		.020	-.02			2.0	.20	955.0	1.8	372.0	10.0		.020	.020
	78	5	-.100	11.00	4.0	-.0010	1.0	.09		9.0	170.0	12.0	24.0	-.020	-.020
	79	5	-.020	67.00	26.0	-.0010	1.0	.40		8.6	400.0	31.0	8.0	-.020	-.020
	12		-.020	100.00	20.0	.0140	3.1	.20	940.0	9.4	310.0	4.6	23.0	-.020	-.020
	81	7	-.010	-.50	-10.0	.0050	6.1	.30	900.0	7.3	220.0	9.8	160.0	-.020	-.020
	82	5	-.010	-.50	-10.0	-.0010	8.4	.40	780.0	-.5	8.0	18.0	110.0	-.020	-.020
	8		-.010	-.50	-10.0	-.0400	1.5	.40	830.0	-.5	180.0	11.0	-50.0	-.020	-.020
	12		-.010	-.50	-10.0	-.0010	1.2	.30	900.0	6.0	300.0	10.0	-50.0	-.020	-.020
W455	75	4	.010	-.10			5.0	1.50	1200.0	3.0	260.0	53.0		-.010	.009
	10		.010	.30			11.0	1.90	1300.0		140.0	46.0		-.010	.007
	76	10	.020	.12			5.0	.60	1164.0	1.7	152.0	19.0		.010	.020
	77	11	.020	.40	-1.0		2.9	.65		3.2	25.0	10.0	68.0	-.020	.030
	78	5	-.100	5.00	18.0	.0020	1.8	.60		3.0	8.2	7.0	4.0	-.020	-.020
	11		.100	-.10	10.0	.0120	3.0	.60		3.0	4.0	8.6	10.0	-.020	-.020
	79	5	.020	280.00	26.0	-.0010	1.9	.60		3.5	460.0	32.0	4.2	-.020	.020
	12		.070	.10	4.0	-.0010	4.0	.50	640.0	3.2	6.0	8.8	10.0	-.020	-.020
	80	6	.020	-.50	10.0	.0040	3.7	.20	1200.0	5.1	460.0	11.0	110.0	-.020	.020
W463	75	4	.003	.50			1.0	.35	1200.0	17.0	520.0	49.0		-.010	.030
	10		.010	.20			1.0	.60	1000.0		350.0	29.0		-.010	.003
	76	5		.82			.8	.05	1129.0	7.3	510.0	27.0		.030	.003
	10		.040	.02			.8	.02		6.0	506.0	30.0		.006	.040

NOTE: - INDICATES LESS THAN

CD-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	NO	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SM (MG/L)	SO ₄ (MG/L)	CL (MG/L)	CUD (MG/L)	CR (MG/L)	CU (MG/L)
WAB3	77	11	.020	14.0		4.2	.52		.9	70.0	120.0	00.0	-.020	-.020
	78	5	.200	8.0	.0030	2.6	.40		2.0	220.0	12.0	8.0	-.020	-.020
	79	11	.040	10.0	.0030	3.0	.80		3.0	13.0	15.0	8.0	-.020	-.020
	79	5	.500	12.0	.0050	1.9	1.50	790.0	.3	7.0	66.0	31.0	-.020	-.020
	12		.080	14.0	.0160	1.6	.60	750.0	.6	5.0	4.0	17.0	-.020	-.020
WAB2	75	4	.010			2.0	1.90	1400.0	3.0	120.0	38.0		-.010	.010
	10		.010			1.0	1.00	1100.0	1.0	31.0	13.0		-.010	.010
WAB2	74	11	.080			5.0	1.50	1300.0	3.0	430.0	49.0		-.010	.030
	75	4	.020			5.0	.40	1400.0	2.0	520.0	22.0		-.010	.050
	10		.050			5.0	1.00	1300.0	4.0	460.0	19.0		-.010	.030
	76	5	-.010			2.9	.04	1391.0	2.5	522.0	19.0		.010	.010
	10		.020			2.0	.07	1318.0	4.0	497.0	17.0		.020	.010
	77	11	.020	16.0		2.1	.04		.6	551.0	18.0	72.0	.020	.030
	78	5	.200	8.0	.0020	.2	1.00		2.0	110.0	7.0	60.0	-.010	-.020
	11		.060	6.0	.0270	6.0	1.00		2.0	10.0	21.0	2.0	-.020	-.020
	79	5	.020	4.0	.0100	.9	.20		9.4	490.0	28.0	22.0	-.020	-.020
	12		-.020	2.0	.0160	3.0	.20	1400.0	8.5	620.0	3.6	42.0	-.020	-.020
	80	6	.010	15.0	.0010	2.0	.20	1400.0	9.7	430.0	65.0	15.0	-.020	-.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	H3 (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
W002	74	11	17.0		-.10					.400	.020	-.50	.100	.50	2.90
	75	4	19.0		-.10		.00040	.002	-.001	.100	.070	-.50	.100	1.20	4.00
	76	10	15.0		-.10		-.00010			.003	-.002	-.50	.010	.20	.90
	77	11	15.0		-.02		.00013	.005		.010	.007	-.50	-.100	.30	1.80
	77	11				.56			-.010	-.020	.200	.07	-.020	.60	1.20
	78	5				.78	-.00100		-.020	-1.000	-.100	.08	.040	.10	1.70
W004	74	11	23.0		-.10		-.02000		-.020	-.020	-.100	.08	.070	-.50	.56
	75	4	32.0		.10		-.02000	-.020	-.010	-.020	-.050	.04	-.020	-.01	.80
	76	10	25.0		-.02		-.02000	-.020	-.010	-.020	-.020	.07	-.020	.02	.90
	77	11				.40	-.00020	-.010	-.010	-.010	-.020	.07	-.020	.03	1.70
	78	5								.070	-.010	-.50	.100	.30	1.00
	79	12					.00010	.001		1.000	.020	-.50	.020	-.05	.90
W010	74	11	23.0		-.10		-.00012	-.007		.030	-.020	-.50	-.100	-.10	.60
	75	4	24.0		-.10		.00100		-.010	-.020	.070	.03	.070	.30	1.50
	76	10	25.0		.02		-.02000	-.020	-.020	-1.000	-.100	.04	-.200	-5.00	.95
	77	11				.80	.00020	-.010	-.010	-.010	.040	-.05	.060	.08	.40
	78	5				.80					.020	-.05	.060	.20	1.30
	79	5					.00010	.007	.030	.300	.010	-.50	.030	.08	.41
W012	74	11	21.0		-.10		.00020	.020	.050	.060	.010	-.50	.060	1.10	.50
	75	4	25.0		.02		.00012	-.004		.030	.010	-.50	.100	.10	.40
	76	10				2.12	.00100			.100	-.100	.07	-.200	-5.00	.55
	77	11				-1.00	-.02000	-.020	-.020	.080	.020	.04	.080	14.00	.33
	78	5					-.02000	-.020	-.010	-.020	-.050	.02	.080	-.50	1.60
	79	5					.00040	.004	.100	.100	.020	-.50	.030	-.05	3.00
W014	74	11	19.0		-.10		-.00010	-.002	.010	.020	.003	-.50	.040	.20	3.30
	75	4	17.0		.02		.00003		.020	.020	.050	-.50	-.100	.10	3.20
	76	10	20.0		-.02		.00290	.010	.020	.070	.007	-.50	-.100	-.10	3.00
	77	11				.92	.00200		-.010	-.020	.090	.05	.050	.20	2.90
	78	5				2.90	-.02000	-.020	-.020	-1.000	-.100	.07	-.200	-5.00	3.20
	79	5				1.00	-.02000	-.020	-.020	-.020	-.020	.05	.080	8.00	3.20
W016	74	11	19.0		-.10		-.02000	-.020	-.010	-.020	-.050	.03	.060	-.50	16.00
	75	4	20.0		.02		-.02000	-.020	-.010	.020	-.020	-.05	.080	-.02	9.80
	76	10				1.00	-.00020	-.010	-.010	.010	.020	-.05	.030	.03	15.00
	77	11				.50	-.00020	-.010	-.010	-.020	-.020	-.05	.040	.03	.20
	78	5													
	79	5													

NOTE: - INDICATES LESS THAN

Cd-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WX17	75	4	28.0		-.10		.00310	.007		2.000	.020	3.10	.010	-.05	17.00
	75	10	13.0		-.10		.00090	-.001	-.001	.050	.010	-.50	.030	.09	16.00
	76	5	7.5				-.00030			.020	.020	-.50	-.100	-.10	11.50
	76	10	13.0		.03		.00008	.001	-.002	.020	.008	-.50	-.100	.10	17.00
	77	11				.51			-.010	-.020	.100	.05	-.020	.30	18.00
WX18	78	5				1.22			-.020	-.020	.200	.07	-.200	-.50	20.00
	78	11					-.02000	-.020	-.020	-.020	-.020	.04	-.020	-.50	19.00
	79	5				3.00	-.02000	-.020	-.010	-.020	-.050	.02	.040	-.50	19.00
	79	12				.70	-.02000	-.020	-.010	.070	-.020	-.05	.030	-.02	19.00
	80	6													
WX19	74	11	23.0				.00240			.030	-.020	.30	.020	-.02	190.00
	75	5	21.0		.20		.00030	.004		.700	.010	-.50	.030	-.05	.10
	75	10	19.0		-.10		-.00010			.010	.004	-.50	.030	.80	6.30
	76	10	26.0		-.02		.00012	-.006		.040	-.020	-.50	-.100	-.10	5.60
	79	12				2.20	-.02000	.020	-.010	-.020	-.020	-.05	-.020	-.02	5.90
WX20	74	11	9.0			.10	-.00020	-.010	-.010	.010	-.020	-.05	.040	.20	4.20
	75	4	9.0		-.10		.00190		.001	.050	-.008	-.50	.002	-.05	3.10
	75	10	7.0		-.10		.00030			.200	.030	-.50	.010	-.05	24.00
	76	10	13.0		.03		.00020			.050	.006	-.50	.006	.40	22.00
	78	6				2.37	.00009	-.001	.010	.010	.004	-.50	-.100	-.10	23.00
WX21	78	6					.01300		.020	-.100	-.100	.10	-.200	-.50	25.00
	79	5				-1.00	-.02000	-.020	-.010	-.050	-.050	.06	.020	-.50	24.00
	79	12				1.40	-.02000	-.020	-.010	.100	-.020	.08	-.020	-.02	23.00
	79	5				4.20	-.02000	-.020	-.010	.040	-.020	.07	-.020	-.02	23.00
	75	4	7.0		-.10		.00020	.002		.040	.008	-.50	.007	-.05	25.00
WX22	75	10	7.0		-.10		.00010			.040	.010	-.50	.010	.30	21.50
	76	5	8.0		.15		-.00003		.001	.030	.005	-.50	-.100	-.10	22.00
	77	11	11.0		.03		.00008	-.003		.008	-.020	-.50	-.100	-.10	21.00
	78	5				.93	.00100		-.010	-.020	.040	.08	-.020	.10	22.00
	78	11				2.68	-.02000	-.020	.080	-.100	-.100	.10	-.200	-.50	24.00
WX23	79	5				-1.00	-.02000	-.020	-.020	-.020	-.020	.08	-.020	-.50	23.00
	75	4	15.0		-.20		.00030	.003		.100	.010	-.50	.030	-.05	8.60
	76	10	14.0		-.10		-.00010		.003	.030	.007	-.50	.030	.20	9.30
	76	10	17.0		-.02		.00010	-.006		.020	.020	-.50	-.100	.20	9.00
	78	6				1.80	.00100		.100	-.100	-.100	.04	-.200	-.50	9.40

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
*X21	79	5				1.00	-.02000	-.020	-.010	-.020	-.050	-.02	-.020	-.50	8.50
	12					.30			-.020	.030	.030	-.05	.020	-.02	7.20
	80	6				.10	-.000020	-.010	-.010	.010	-.020	-.05	.030	-.02	8.80
*X32	80	2				.10			-.010	-.010	-.020	-.05	-.020	.02	21.00
	82	11	12.0		.07		.000040	-.010		-.020	.020	-.05	.050	.07	22.00
*X33	80	2				.80			-.010	.200	-.020	-.05	-.020	-.02	18.00
*X38	81	7	3.3			3.60	-.000020	-.010	-.010	-.020	-.020	.08	-.020	.05	1.00
*X44	74	11	18.0		-.10		.00080			.030	.010	-.50	.200	.28	6.40
	75	4	13.0		-.10		.00020	-.004		.070	.010	-.50	.040	-.05	4.00
	10	19.0			-.10		-.00010	-.001		.040	.010	-.50	.020	.10	4.00
	76	5	19.0		.04				-.003				.200	1.10	3.10
	10	19.0			-.01		.00007	.002		.030	-.010	-.50	.100	-.10	4.30
	78	5				.25	-.00100		-.020	-1.000	.200	.07	.060	.10	3.20
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.04	.200	-.50	7.60
	12					.80	-.02000	.040	-.010	-.020	.040	.06	.100	.02	4.40
	81	7	17.0			.80	-.00020	-.010	-.010	-.020	-.020	-.05	.070	.05	8.30
	82	5	14.0				-.00020	-.010	.100	.100	.020	-.05	.060	.20	14.00
	8	19.0			.08		-.00020	-.010	-.020	-.020	.020	-.05	.060	.02	5.90
	12	16.0			.01		-.00020	-.010	-.010	-.020	.020	-.05	.060	-.02	4.50
*X55	75	4	4.0		-.10		.00020	.003		.400	.010	-.50	.020	-.05	4.40
	10	14.0			.10		.00020		.001	.010	.010	-.50	.300	-.05	7.30
	76	10	17.0		.04		.00010	-.006		.030	.010	-.50	-.100	.00	6.00
	77	11				1.16			-.010	-.020	.030	.08	-.020	.30	18.00
	78	5				1.20	.00100		-.020	-1.000	-.100	.06	.030	-.00	18.00
	11						-.02000	-.020	-.020	-.020	-.020	.05	-.020	-.50	18.00
	79	5				1.00	-.02000	-.020	-.010	-.020	-.050	.03	.060	-.50	1.20
	12					.30	-.02000	-.020	-.010	-.020	-.020	.05	.020	.03	18.00
	80	6				1.10	-.00020	-.010	-.010	.020	.200	.06	.080	.05	1.60
*X63	75	4	15.0		-.10		.00290	-.004		.700	.007	-.50	.200	.44	.30
	10	20.0			-.10		-.00010	-.001	-.002	.040	.003	-.50	.100	.20	.10
	76	5	15.0		.07		-.00003			.020	-.020	-.50	.200	.10	.20
	10	9.0			.02		.00009	-.010	-.010	-.020	-.010	-.50	.300	-.10	2.00
	77	11				.84			-.010	-.020	-.050	.07	-.020	.05	15.00
	78	5				1.42	-.000100		-.020	-1.000	-.100	.07	.020	.20	18.30

NOTE: - INDICATES LESS THAN

Cd-ThaCT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	SIU2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WAO3	78	11					-.02000	-.020	-.020	-.020	-.020	.07	-.200	-.50	19.00
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.03	.020	.02	17.00
	12					.60	-.02000	.040	-.010	.030	-.020	.05	-.020	-.02	10.00
WAO2	75	4	16.0		-.10		.00020	.020		1.000	.010	-.50	.040	-.05	15.00
	10	13.0			-.10		-.00010	.001	-.001	.020	.006	-.50	.009	.60	13.00
WAO2	74	11	20.0		-.10		.00010	.009		.100	-.020	-.50	.400	.18	.20
	75	4	22.0		.40		.00030	.001		1.000	.020	-.50	.100	-.05	1.30
	10	23.0			-.10		.00010			.060	.010	-.50	.600	1.30	1.20
76	5	23.0			-.02		.00010			.030	-.010	-.50	.300	1.80	.70
	10	30.0			-.02		.00009	.030		.030	.010	-.50	.300	7.00	2.40
77	11					.40			-.010	-.020	.090	.07	-.020	.30	.40
78	5					3.50	.00100		.040	-1.000	-.100	.10	-.200	9.00	21.00
79	5					1.00	-.02000	-.020	-.020	-.020	-.020	.20	-.020	-.50	21.00
	12					.30	-.02000	-.020	-.010	.020	-.050	.06	.400	1.40	.40
80	5					.70	.00020	.010	-.020	.030	.040	.06	.400	.90	.40
	6								-.010	.020	.100	.08	.400	3.20	.90

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX02	74	11						.020						
75	4				.004			.200			.030			.007
10								.003						-.001
76	10							.010						.003
77	11				-.020	-.1		.040		1110.0				
78	5				-.020	.1		-.100		990.0				
11					-.020	41.0		-.020	6.0	1200.0				
79	5		-1.00	-1.0	-.020		-.05	-.020	5.0					
12						5.1		-.020						
80	6					10.0		-.020						
WX04	74	11						.020						
75	4				.008			.080			.020			.010
10					-.010			.020			-.002			.001
76	10							.006						-.003
77	11				-.020	-.1		.070		617.0				
78	5				-.020	28.0		-.100		530.0				
79	12					7.1		-.020						
80	6					7.0		-.020						
WX10	75	4						.010						-.002
10								.009						.020
76	10							.010						-.002
78	6				-.020	1.0		-.100		990.0				
11					-.020	-.1	.04	.040	12.0	1000.0				
79	5		-1.00	-1.0	-.020		-.05	-.020	2.0					
WX12	75	4						.020						.003
10								.003			.002			
76	5							.010						
10					-.020			.010						.010
77	11				-.020	-.1		.040		880.0				
78	5				-.020	225.0		-.100		860.0				
11					-.020	-.1	.04	-.020	11.0	870.0				
79	5		-1.00	-1.0	-.020		-.05	-.020	-1.0					
12						1.0		-.020						
80	5					22.0		-.200						
WX14	80	8				4.0		.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX17	75	4						.010			-.001			.200
		10						.006						.020
		76						.020						.004
		10						.006						.010
		77			-.020	-.1		.040		1090.0				
		78			-.020	223.0		-.100		1000.0				
		11			-.020	-.1	.04	-.020	12.0	880.0				
		79	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				-1.0		-.020						
WX18	74	11						.005						
		75						.010						-.002
		10						.006						
		76						.006						
		79				2.0		-.020						
		80				3.0		-.020						
WX19	74	11						.002						.001
		75						.020						.010
		10						.009						
		76						.010						.002
		78			-.020	2.0		-.100		1800.0				
		11			-.020	-.1	.04	-.020	10.0	1700.0				
		79	-1.00	-1.0	-.020		-.05	-.020	-1.0					
		12				10.0		-.020						
						3.2		-.020						
WX20	75	4						.030						.010
		10						.006						.003
		76						.009						.002
		10						.007						.005
		77			-.020	-.1		-.020		1470.0				
		78			-.020	1.0		.100		1900.0				
		11			-.020	-.1	.04	-.020	17.0	1700.0				
		79	-1.00	-1.0	-.020		-.05	.020	-1.0	1800.0				
WX21	75	4						.020						.002
		10						.004						.020
		76			-.010			.010						-.002
		78	42.00		-.020	1.0		-.100		630.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX21	79	5	-1.00	-1.0	-.020		-.05	-.020	4.0					
	80	6				4.0		-.020						
WX32	80	2		-1.0		5.0		.040						
	82	11				-1.0								
WX33	80	2		-1.0		7.0		.040						
WX38	81	7				10.0		.030						
WX44	74	11						.010						
	75	4						-.001			-.001			.004
	10							.007			-.001			.008
	76	5												.002
	10							.008						
	78	5			1.010	.2		-.100		750.0				
	79	5	-1.00	-1.0	-.020		-.05	.020	5.0					
	12				-.020			-.020						
	81	7				4.1								
	82	5				15.0								
	8					-1.0								
	12					-1.0		.020						
	12					28.0								
WX55	75	4						.006			.002			.010
	10							.005			-.001			-.001
	76	10						.010			-.100			.030
	77	11			-.010					810.0				
	78	5			-.020	-.1		-.020		670.0				
	11				-.020	-.2		-.100		760.0				
	79	5	-1.00	-1.0	-.020	52.0		-.020	5.0					
	12				-.020		-.05	.020	3.0					
	80	6				16.4		-.020						
						22.0		-.020						
WX63	75	4						.020						.004
	10							.004						
	76	5						.009						
	10							.009						
	77	11			.020	-.2		-.020		840.0				.002
	78	5			-.020	-.2		-.100		930.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WX63	78	11			-.020	60.0		-.020	8.0	870.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	8.0					
		12				3.0		-.020						
WX82	75	4						.020			.007			.040
		10			-.003			.010			.004			.020
WX92	74	11						.020						.005
	75	4						.040						.003
		10						.007						
	76	5						.010						.003
		10			-.010			.030						.002
	77	11			.020	-.1		.040		1470.0				
	78	5			-.020	179.0		-.100		970.0				
		11			-.020	56.0		-.020	8.0	1100.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	4.0					
		12			-.020			-.020						
	80	6				11.0		.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I	SB	ZR	Y	RB	GE	GA	TI	SC	M	CO	V	BE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WX02	74	11					.020		.003	.070	-.001		.002	.002	-.001
	75	4	.003	.010	.002		.020		-.001	.030	-.002	.010	.008	.003	
	10			-.001			.003			.050	-.001		-.001	-.001	
	76	10	.001		.001		.009		.001	.040	-.003		.002	-.001	
	77	11													
	78	5													
	79	5													
	12														
	80	6											-.020		
													-.020		
WX04	74	11	.004				.006		.003	.080	.002		.002	.001	-.001
	75	4	.020	.008			.020		-.002	.300	-.004	.020	.006	.001	
	10		.004				.003		.001	.200	-.001		-.001	-.001	
	76	10	.003		-.003		.020		.003	.030	-.006		-.001	.001	
	77	11													
	78	5													
	79	12													
	80	6											-.020		
													-.020		
WX10	75	4	-.002		-.002		.003		-.002	.030	-.005		-.002	-.002	
	10		.020				.030			.300	-.002		.003	.006	
	76	10	.002		-.002		.020		-.002	.080	.005		-.006	-.001	
	78	6													
	79	5													
WX12	75	4	.006		-.002		.006			.030	.006		-.002	.003	-.002
	10		-.001		.001		.008			.300	-.001			-.001	
	76	5	.005							.200	-.007		-.003	.002	
	10		.003		.001		.010	-.002	.001	.050	-.003		.002	-.001	
	77	11													
	78	5													
	79	5													
	12														
	80	5											-.020		
													.030		
WX14	80	8											-.020		
WX17	75	4	.080		.030		.030			.300	.005	.020	-.003	.006	

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I (MG/L)	SB (MG/L)	ZR (MG/L)	Y (MG/L)	RB (MG/L)	GE (MG/L)	GA (MG/L)	TI (MG/L)	SC (MG/L)	M (MG/L)	CO (MG/L)	V (MG/L)	BE (MG/L)
WX17	75	10	.004		.003	-.001	.009	.002		.050	-.001	.003	-.001	-.001	
	76	5	.010				.007		.004	.060	-.004		-.001	.002	
	77	11	.002				.008	-.001	.001	.040	-.001		-.004	-.001	-.001
	78	5													
79	5														
	12														
WX18	74	11											-.020		
	75	5	-.002				.004			.040	.003		.001	.001	
	76	10	.002		.003		.010			.030	-.002		-.002	-.002	
	79	12			.010		-.002		-.003	-.100	-.007		-.009	-.001	
WX19	80	6											-.020		
	74	11	.004		.002		.005		.002	.030	.001		-.001	-.001	
	75	4	.001	-.001	.009		.006		.001	.100	-.002	.010	-.002	.002	
	76	10	.006		.030		.006	-.002		.050	-.001		-.002	.002	
78	6		.002		.001		.004	.001	.001	.020	-.002		-.002	-.001	-.001
	11														
	79	5													
	12														
WX20	75	4	.002		.010		.020		-.001	.200	-.003		-.004	-.001	
	10		.003		.006		.007		-.001	.020	-.001			-.001	-.001
	76	5	.002		.004	-.001	.010		.001	.020	-.001		-.003	.001	-.001
	77	11	.004		-.100		.008		.004	.060	-.004		-.010	.002	-.001
78	5														
	11														
	79	5													
	12														
WX21	75	4	.003		.030		.006		.002	.030	.006		-.003	.003	
	10		.005						-.002	.040	-.001		-.002	.003	-.001
	76	10	.002				.020		.003	.090	-.006		-.008	-.001	
	78	6													
79	5														
	12														
	79	5													
	12														

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I	SB	ZR	Y	RB	GE	GA	TI	SC	W	CO	V	BE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WX21	80	6											-.020		
WX32	80	2											-.020		
82	11														
WX33	80	2											-.020		
WX38	81	7													
WX44	74	11													
75	4		.002				.010		-.001	.080	.002		.002	.001	
10			-.001	.003			.040		-.002	.050	-.003			-.001	-.001
76	5		.003				.020	-.002		.200	-.001			-.001	
78	10		.002	.002	.002		.020		-.002	.070	-.004		-.005	.001	
79	5														
81	7												-.020		
82	5														
8															
12															
WX55	75	4	.020	.006			.040		-.001	.050	-.003	.020	-.004	-.001	
10			.006	.002			.020			.100	-.001	.002	-.001	-.001	
76	10		.002		.002		.050		.002	.080	.005		-.006	-.001	-.001
77	11														
78	5														
79	5														
12															
80	6												-.020		
WX63	75	4	.004		-.001	-.001	.020			.050	-.003		-.001	.002	
10			-.001				.009			.200			.001	.001	
76	5				.004		.003			.003	-.005		-.003	.001	
77	11		.002	.003			.002	.002		.100	-.004		-.005	-.001	
78	5														
11															
79	5														
12													-.020		
80	6												-.020		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	I	SB	ZR	Y	RB	GE	GA	TI	SC	W	CO	V	BE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WX82	75	4	.020	.003	.001	.010	.040	.002	.002	.080	.003		.001	.001	
		10	.002	-.001			.020	-.001	.003	.100	-.001		-.001	.001	-.001
WX92	74	11	.005	.006			.020			.050	.009	.010	.010	.004	.003
	75	4	.003	.020	.001		.020		.001	.030	.002		.003	-.001	
		10	.010				.050			2.000	-.001		-.002	-.002	
	76	5					.020			.080	-.003		.002	-.001	-.001
		10	.003				.010		.003	.080	-.005		-.007	-.001	
	77	11													
	78	5													
		11													
	79	5													
		12													
	80	6													
													-.020		
													-.020		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L) CACO3	MU-ALKALINITY (MG/L) CACO3	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)

WA02	74	11	-0.1	.100					2.0			
	75	4	-0.1	.100	60.0	360.0			12.0			
	76	10	-0.1	.100	39.0	400.0			3.0			
	77	11							7.8			
	78	5										
	79	5										
WA06	74	11	-0.1	.100					5.5	57.0	1.4	
	75	4	-0.1	.100	10.0	320.0			4.6	16.0		
	76	10	-0.1	.100	15.0	390.0			5.6			
	77	11							1.0			
	78	5							16.0			
	79	12							5.0	2.0		
WA10	74	11	-0.1	.100								
	75	4	-0.1	.100	10.0	320.0			1.0	0.0		
	76	10	-0.1	.100	5.0	320.0			6.0			
	77	11							6.0	4.0		
	78	5							10.0			
	79	5							1.3	3.0		
WA12	74	11	-0.1	.100					2.9	3.0		
	75	4	-0.1	.100	10.0	500.0			8.0	8.0		
	76	10	-0.1	.100	22.0	440.0			6.0			
	77	11							3.9			
	78	5										
	79	5										
WA14	74	11	-0.1	.100								
	75	4	-0.1	.100	10.0	500.0			6.0	40.0	.7	
	76	10	-0.1	.100	22.0	440.0			.6			
	77	11							.6	5.0		
	78	5							1.5			
	79	5										
WA14	80	5										
	80	5										
										-24.0		

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	UM (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L) CACO ₃	NO-ALKALINITY (MG/L) CACO ₃	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
*A17	75	4	-0.1	.100	95.0	1500.0			21.0			
	76	5	-0.1	.100	34.0	740.0			4.0			
	77	11		-.100					2.4			
	78	5							.8	11.0		
	79	11							2.3	3.0		
	79	5							8.5	3.0		
	79	12							12.0	6.0		
*A18	74	11		-.100					8.0	3.0		
	75	5	-0.1	.100	10.0	390.0			4.0			
	76	10	-0.1	.100	15.0	360.0						
	79	12		-.100					4.9	7.0		
	80	6							4.5	28.0	1.7	
									.6			
*A19	74	11	-0.1	.100					8.0	33.0		
	75	4	-0.1	.100	45.0	430.0			20.0			
	76	10	-0.1	.100	44.0	1400.0			6.0			
	78	6		-.100					4.8	24.0		
	79	11							.9	6.0		
	79	5							.9	3.0		
	79	12							2.3	10.0		
									6.0			
*A20	75	4	-0.1	.100	70.0	1500.0			12.0			
	76	5	-0.1	.100	49.0	1400.0			6.0			
	77	11		-.100					4.0	32.0		
	78	5							2.2			
	79	11							2.2			
	79	5							2.9	7.0		
	79	12							2.1	7.0		
*A21	75	4	-0.1	.100	20.0	380.0			9.0			
	76	10	-0.1	.100	10.0	380.0			3.0			
	76	6		-.100					1.6	16.0		

NOTE: - INDICATES LESS THAN

CB-FMCT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AGUAFEMO

WELL	YR	MU	OH		CH		P-ALKALINITY		MU-ALKALINITY		SCN (MG/L)	TURBIDITY		TOTAL ALPHA		TOTAL BETA		RADIUM-226		RADIUM-228	
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)		(MG/L)	(MG/L)	(PC/L)	(PC/L)	(PC/L)	(PC/L)	(PC/L)	(PC/L)	(PC/L)	(PC/L)
*A21	74	5																			
		12																			
		80																			
		6																			
*A32	80	2																			
		02																			
		11																			
*A33	80	2																			
*A38	81	7																			
		7																			
		7																			
*A44	74	11																			
		75																			
		10																			
		76																			
		5																			
		10																			
		78																			
		79																			
		5																			
		12																			
		81																			
		7																			
		02																			
		5																			
		8																			
		12																			
*A55	75	4																			
		10																			
		76																			
		77																			
		11																			
		78																			
		11																			
		74																			
		5																			
		12																			
		80																			
		6																			
*A63	75	4																			
		10																			
		76																			
		5																			
		10																			
		77																			
		11																			
		78																			
		5																			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER AQUIFERS

WELL	YR	MO	UH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L) (CACU3)	MU-ALKALINITY (MG/L) (CACU3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
W463	78	11							6.0	7.0		
	79	5							3.5	13.0		
		12							12.0	11.0		
W462	75	4	-0.1	.100	30.0	990.0			11.0			
		10	-0.1	.100	64.0	810.0			7.0			
W492	74	11	-0.1	.100					2.0	2.0		
	75	4	-0.1	.100					8.0			
		10	-0.1	.100	-0.1	560.0			2.0			
	76	5		-.100		540.0						
		10		-.100					.7			
	77	11										
	76	5							14.0	16.0		
		11							4.4	2.0		
	79	5										
		12										
	80	6										

NOTE: - INDICATES LESS THAN

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 UPPER PARACHUTE - CREEK 1

WELL	YR	MO	PH	PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)
WD02	81	7	9.3		1320.0	17.0	3.1	
WD11	81	7	9.7		1170.0	19.0	5.8	
WD12	81	7	7.9		1000.0	20.0	3.9	
	82	11	8.9		1270.0	8.5		
WD14	81	7	10.5		2300.0	19.0	5.7	
WD17	81	7	10.4		3810.0	23.0	6.1	
WD18	81	7	7.1		1150.0	19.0	1.1	
WD20	81	7	9.2		1390.0	22.0	2.6	
	82	12	9.7		1150.0	10.0		
WD21	81	7	8.3		830.0	18.0	4.6	
WD41	81	7	7.4		1530.0	23.5	1.6	
WD52	81	7	7.4		1680.0	21.0	1.4	
WD57	82	11	8.0		1110.0	9.0		
WD61	81	7	7.4		1520.0	21.0	3.2	
WD90	81	7	7.4		2770.0	16.0	2.5	
	82	8	7.3		3450.0	16.0		.2
		11	7.4		3520.0	15.0		.2
WD91	81	7	10.4		1330.0	17.0	5.1	

CB-TRACT
 QUANTER AND SEMIANNUAL WATER QUALITY ANALYSES
 UPPER PARACHUTE - CREEK 1

WELL	YR	MO	TOTAL ALK (MG/L CACO3)		AL (MG/L)	AMMONIA (AS N (MG/L)		AS (MG/L)	BA (MG/L)	HCO3 (MG/L CACO3)		CO3 (MG/L CACO3)	BR (MG/L)	HARDNESS (MG/L CACO3)		NA (MG/L)	MG (MG/L)	CA (MG/L)
			CA	CO3		AS N	AS			HCO3	CO3			HARDNESS				
W002	81	7	360.0	-	100	.500	-0.020	-0.50	140.0	220.0	-0.100	91.0	280.0	18.0	6.7			
W011	81	7	330.0	-	100	1.100	-0.020	-0.50	30.0	300.0	-0.100	140.0	230.0	27.0	13.0			
W012	81	7	470.0	-	100	.300	-0.020	-0.50	400.0	66.0	-0.100	280.0	190.0	51.0	29.0			
82	11		480.0	-	100	.500	-0.020	-0.50	460.0	20.0	-0.100	230.0	210.0	50.0	7.9			
W014	81	7	330.0	-	100	6.400	-0.020	-0.50	-1.0	250.0	-0.100	14.0	440.0	1.4	3.4			
W017	81	7	1600.0	-	500	4.600	.040	-0.50	-1.0	1500.0	-0.100	-10.0	980.0	-5.5	1.9			
W018	81	7	440.0	-	100	.400	-0.020	-0.50	440.0	-1.0	.900	370.0	160.0	63.0	45.0			
W020	81	7	410.0	-	100	.600	-0.020	-0.50	240.0	170.0	.400	210.0	250.0	46.0	7.5			
82	12		370.0	-	100	.400	-0.020	-0.50	370.0	-1.0	-0.100	120.0	270.0	24.0	6.2			
W021	81	7	400.0	-	100	.500	-0.020	-0.50	310.0	94.0	-0.100	130.0	160.0	20.0	19.0			
W041	81	7	410.0	-	100	.300	-0.020	-0.50	410.0	-1.0	.200	620.0	190.0	85.0	110.0			
W052	81	7	530.0	-	100	.300	-0.020	-0.50	530.0	-1.0	.100	790.0	180.0	120.0	120.0			
W057	82	11	420.0	-	100	.400	-0.020	-0.50	400.0	20.0	.500	260.0	170.0	46.0	28.0			
W061	81	7	430.0	-	100	.400	-0.020	-0.50	430.0	-1.0	-0.100	630.0	180.0	97.0	92.0			
W090	81	7	710.0	-	100	.300	-0.020	-0.50	710.0	-1.0	.900	1200.0	280.0	220.0	120.0			
82	6																	
11																		
W091	81	7	350.0	-	100	1.500	-0.020	-0.50	-1.0	290.0	-0.100	100.0	250.0	21.0	6.8			

NOTE: - INDICATES LESS THAN

C&T TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	OIL AND GREASE		NO ₃	K	B	TOTAL DISS		SO ₄	CL	CO ₂	CR	CU
			MO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
W002	81	7	.010	-10.0	.0330	5.7	-.10	910.0	.9	380.0	30.0	-50.0	-.020	-.020
W011	81	7	.020	-10.0	.0020	23.0	.20	930.0	1.8	230.0	63.0	-50.0	-.020	-.020
W012	81	7	.010	-10.0	.0040	3.2	.20	790.0	14.0	220.0	10.0	-50.0	-.020	-.020
82	11		-.010	-10.0	-.0010	.5	.20	760.0	.6	160.0	8.5	-50.0	-.020	-.020
W014	81	7	.030	-10.0	.0770	89.0	.20	1400.0	.5	280.0	390.0	50.0	-.020	.070
W017	81	7	.200	-10.0	.0690	33.0	4.80	1900.0	-.5	250.0	220.0	-50.0	-.020	.030
W018	81	7	.020	-10.0	-.0010	.6	.10	830.0	11.0	270.0	6.1	229.0	-.020	-.020
W020	81	7	.070	20.0	.0380	4.5	.20	840.0	.6	260.0	47.0	147.0	-.020	-.020
82	12		.050	-10.0	-.0010	3.2	.40	780.0	-.5	160.0	46.0	-50.0	-.020	-.020
W021	81	7	.010	-10.0	-.0010	3.2	.20	530.0	4.0	91.0	4.6	-50.0	-.020	-.020
W041	81	7	.020	-10.0	.0310	5.0	.10	1300.0	23.0	720.0	12.0	110.0	-.020	-.020
W052	81	7	-.010	-10.0	-.0010	3.6	.10	1400.0	18.0	720.0	10.0	-50.0	-.020	-.020
W057	82	11	.200	-10.0	-.0010	2.0	.40	770.0	.9	190.0	16.0	-50.0	-.020	-.020
W061	81	7	-.010	-10.0	.0020	3.2	.20	1200.0	20.0	610.0	16.0	-50.0	-.020	-.020
W090	81	7	.030	-10.0	.0110	8.0	.20	2300.0	5.7	1300.0	13.0	-50.0	-.020	-.020
82	8													
11														
W091	81	7	.040	-10.0	.0200	54.0	.40	810.0	.5	260.0	65.0	-50.0	-.020	.020

NOTE: - INDICATES LESS THAN

CB-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
W002	81	7	2.0			.80	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	.80
W011	81	7	9.0			1.10	-.00020	-.010	-.010	-.020	-.020	.10	-.020	.04	1.80
W012	81	7	12.0			.40	-.00020	-.010	-.010	-.020	-.020	-.05	.060	-.02	2.50
82	11	5,2			.04		-.00020	-.010		-.020	.020	-.05	.020	.02	2.60
W014	81	7	7.5			7.80	-.00020	-.010	-.010	-.020	-.020	.30	-.020	1.60	3.00
W017	81	7	22.0			4.70	-.00020	-.010	-.010	-.020	-.020	.50	-.020	.40	20.00
W018	81	7	20.0			.70	-.00020	-.010	-.010	.080	-.020	.07	.200	.50	1.80
W020	81	7	-1.0			.70	-.00020	-.010	-.010	-.020	-.020	.20	.040	-.02	2.20
82	12	-1.0			.50		-.00020	-.010	-.010	-.020	.020	.30	.030	-.02	2.70
W021	81	7	11.0			.50	-.00020	-.010	-.010	.040	-.020	-.05	.070	-.02	8.70
W041	81	7	22.0			.60	-.00020	-.010	-.010	-.020	-.020	.05	.300	.07	.10
W052	81	7	22.0			.60	-.00020	-.010	-.010	-.020	-.020	.05	.200	.80	-.10
W057	82	11	20.0		.56		-.00020	-.010		-.020	.020	.07	.020	.06	.40
W061	81	7	21.0			.50	-.00020	-.010	-.010	-.020	-.020	.06	.400	.30	.10
W090	81	7	12.0			.30	-.00020	.010	-.010	-.020	-.020	.10	.200	.20	.50
82	8														
11															
W091	81	7	2.0			1.70	-.00020	-.010	-.010	-.020	-.020	.30	-.020	.09	.90

NOTE: - INDICATES LESS THAN

CD-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	SD03 (MG/L)	SOLUBLE SOLIDS (MG/L)	SUSPENDED SOLIDS		THORIUM CESIUM (MG/L)
											U (MG/L)	DOWN (MG/L)	
W002	81	7				7.0		-0.020					
W011	81	7				10.0		0.020					
W012	81	7				5.0		-0.020					
W012	82	11				-1.0							
W014	81	7				27.0		0.000					
W017	81	7				18.0		0.020					
W018	81	7				-1.0		0.030					
W020	81	7				32.0		0.030					
W020	82	12				28.0							
W021	81	7				12.0		-0.020					
W041	81	7				26.0		0.030					
W052	81	7				15.0		-0.020					
W057	82	11				-1.0							
W061	81	7				10.0		0.020					
W090	81	7				52.0		0.070					
W090	82	6											
W091	81	7				14.0		-0.020					

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	I	SR	ZH	Y	MB	GE	GA	TI	SC	M	CU	V	BE
				(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
W002	81	7													
W011	81	7													
W012	81	7													
	82	11													
W014	81	7													
W017	81	7													
W018	81	7													
W020	81	7													
	82	12													
W021	81	7													
W041	81	7													
W052	81	7													
W057	82	11													
W061	81	7													
W090	81	7													
	82	8													
		11													
W091	81	7													

NOTE: - INDICATES LESS THAN

CD-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 1

WELL	YR	MO	OH		CH		P-ALKALINITY		SCN	TURBIDITY		TOTAL		TOTAL		MADIUM-226		MADIUM-228	
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)		(MG/L)	(MG/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)
W002	81	7							-10			2.0	6.0						
W011	81	7							-10			1.0	20.0						
W012	81	7							-10			4.0	5.0						
	82	11																	
W014	81	7							.40										
W017	81	7							.10										
W018	81	7							-10										
W020	81	7							-10										
	82	12																	
W021	81	7							-10			5.0	2.0						
W041	81	7							-10										
W052	81	7							-10			4.0	3.0						
W057	82	11																	
W061	81	7							-10			-2.0	-1.0						
W090	81	7							-10										
	82	8																	
		11																	
W091	81	7							-10				51.0						

NOTE: - INDICATES LESS THAN

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 UPPER PARACHUTE - CREEK 2

WELL	YR	MO	PH	UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
WE04	81	7	7.9		1150.0	18.0	4.0
WE17	81	7	11.9		10570.0	23.0	5.9
WE18	81	7	7.8		1220.0	21.0	1.1
WE20	81	7	8.5		2930.0	23.0	1.8
	82	12	9.2		2740.0	9.0	
WE21	81	7	9.1		1830.0	23.0	4.6
WE51	81	7	9.7		1160.0	20.0	1.5
WE52	81	7	8.2		990.0	25.0	2.3
WE61	81	7	7.4		1530.0	19.0	1.5

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	TOTAL ALK		AMMONIA		BA	HCO ₃	CO ₃	BR	HARDNESS		NA	MG	CA
			(MG/L)	(MG/L)	AS N	AS					(MG/L)	(MG/L)			(MG/L)
			ALK	ALK	AS N	AS	BA	HCO ₃	CO ₃	BR	(MG/L)	(MG/L)	NA	MG	CA
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WE04	81	7	380.0	-0.100	.040	-0.020	-0.50	380.0	-1.0	.800	320.0	45.0	140.0	45.0	54.0
WE17	81	7	1600.0	-0.100	9.900	-0.020	2.60	-1.0	1600.0	-0.100	2500.0	-0.5	800.0	-0.5	990.0
WE18	81	7	460.0	-0.100	.400	-0.020	-0.50	460.0	-1.0	.600	410.0	63.0	170.0	63.0	51.0
WE20	81	7	1600.0	-0.100	1.800	-0.020	-0.50	1200.0	410.0	-0.100	28.0	3.7	820.0	3.7	5.2
	82	12	1400.0	-0.100	.500	-0.020	-0.50	1300.0	50.0	.100	13.0	3.2	1000.0	3.2	-0.5
WE21	81	7	1000.0	.100	1.400	.040	-0.50	540.0	500.0	-0.100	32.0	3.8	510.0	3.8	6.4
WE31	81	7	190.0	-0.100	4.200	-0.020	-0.50	30.0	160.0	-0.100	-10.0	-0.5	220.0	-0.5	1.9
WE32	81	7	610.0	-0.100	1.000	-0.020	-0.50	540.0	66.0	-0.100	32.0	4.1	280.0	4.1	5.9
WE61	81	7	410.0	-0.100	.300	-0.020	-0.50	410.0	-1.0	-0.100	620.0	94.0	160.0	94.0	92.0

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	OIL AND		NO ₃	PHENOLS		K	B	TOTAL		CL	COD	CH	CU
			MG/L	MG/L		MG/L	MG/L			DISS	MG/L				
			MO	GREASE	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	SOLIDS	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
*E04	81	7	.010	-10.0	.0010	.0010	3.9	.10	.20	720.0	4.4	180.0	14.0	-50.0	-.020
*E17	81	7	.200	-10.0	.0270	.0270	330.0	.20	.20	4600.0	26.0	-5.0	2100.0	180.0	-.020
*E18	81	7	.030	6.0	-.0010	-.0010	3.2	.20	.20	910.0	11.0	310.0	16.0	344.0	-.020
*E20	81	7	.020	22.0	.0020	.0020	14.0	1.60	1.60	1800.0	.8	10.0	110.0	141.0	-.030
*E21	81	7	.100	-10.0	.0100	.0100	11.0	.50	.50	1200.0	1.2	20.0	58.0	-50.0	-.020
*E51	81	7	.200	-10.0	.0420	.0420	36.0	.40	.40	740.0	-.5	130.0	170.0	-50.0	-.020
*E52	81	7	.010	-10.0	-.0010	-.0010	4.6	.60	.60	690.0	1.9	180.0	4.5	-50.0	-.020
*E61	81	7	.010	-10.0	.0100	.0100	3.9	.20	.20	1200.0	22.0	600.0	10.0	-50.0	-.020

NOTE: - INDICATES LESS THAN

CU-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WE04	81	7	23.0			1.10	-.00020	-.010	-.010	-.020	-.020	-.05	.200	.04	.20
WE17	81	7	1.0			10.00	.00030	-.010	-.010	.200	1.000	1.20	.020	.60	1.20
WE18	81	7	16.0			1.40	-.00020	-.010	-.010	.040	-.020	.07	.200	.20	2.00
WE20	81	7	16.0			5.00	-.00020	-.010	-.010	-.020	-.020	.20	.030	.06	26.00
	82	12	1.5		.66		-.00020	-.010	-.010	-.020	.080	.20	.020	.10	37.00
WE21	81	7	10.0			1.40	-.00020	-.010	-.010	.020	-.020	.05	-.020	.10	17.00
WE51	81	7	1.0			5.00	-.00020	-.010	-.010	-.020	-.020	.10	-.020	.40	11.00
WE52	81	7	12.0			1.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.03	20.00
WE61	81	7				.80	-.00020	-.010	-.010	-.020	-.020	.07	.200	1.10	.10

NOTE: - INDICATES LESS THAN

CB-THACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CU (MG/L)	DUC (MG/L)	LAS (MG/L)	NI (MG/L)	SCU3 (MG/L)	SOLUBLE SOLIDS (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WE04	81	7				3.0		-0.020					
WE17	81	7				34.0		0.080					
WE18	81	7				2.0		0.040					
WE20	81	7				9.0		0.040					
	82	12				1.0							
WE21	81	7				45.0		-0.020					
WE51	81	7				10.0		-0.020					
WE52	81	7				3.0		-0.020					
WE61	81	7				5.0		-0.020					

NOTE: - INDICATES LESS THAN

CU-1MACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	I	SB	ZN	Y	MB	GE	GA	TI	SC	M	CU	V	RE
				(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WE04	81	7													
WE17	81	7													
WE18	81	7													
WE20	81	7													
		82	12												
WE21	81	7													
WE51	81	7													
WE52	81	7													
WE61	81	7													

NOTE: - INDICATES LESS THAN

Cd-136C1
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPPER PARACHUTE - CREEK 2

WELL	YR	MO	UH	P-ALKALINITY (MG/L)		SCN (MG/L)	TURBIDITY (MG/L)		TOTAL ALPHA (PCI/L)		TOTAL BETA (PCI/L)		RADIUM-226 (PCI/L)		RADIUM-228 (PCI/L)	
				(MG/L)	(MG/L)		(MG/L)	(MG/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)	(PCI/L)
WE04	81	7									1.0	6.0				
WE17	81	7														
WE18	81	7														
WE20	81	7														
	82	12														
WE21	81	7									-2.0	8.0				
WE31	81	7														
WE32	81	7									1.0	7.0				
WE61	81	7									2.0	3.0				

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
----	--	--	-----	-----	-----	-----
WY01	74	11	8.7	3900.0		
	75	4	8.7	4000.0		
		10	9.1	3800.0		
	76	10	8.7	4097.0		
	77	11	7.7	6000.0		3.1
	78	5	8.1	7000.0	18.0	3.9
		11	8.1	4200.0	15.0	1.0
	79	5				
		12				
	80	5	7.5	5510.0		1.6
WY09	75	4	8.3	45000.0		
WY10	76	5	8.1	4900.0		
		10	8.2	4690.0		
WY12	75	4	8.7	4400.0		
		10	8.9	2900.0		
	76	5	8.4	7000.0		
		10	8.7	8369.0		
	77	11	8.2	7000.0	14.0	2.5
	78	5	7.6	8000.0	16.0	2.5
		11	7.7	42000.0	10.0	1.0
	79	5				
		12				
	80	5	7.8	8100.0	21.0	2.0
WY17	76	5	8.6	9600.0		
		10	8.7	6765.0		
	77	11	7.9	5000.0	19.0	6.3
	78	5	7.9	4500.0	20.0	3.4
		11	7.9	26000.0	14.0	1.0
	79	5				
		12				
	80	6	7.7	4280.0	21.0	4.8
WY18	75	4	8.5	32000.0		
		9	8.7	29000.0		
WY45	74	11	9.0	1400.0		
	75	4	9.0	1100.0		
		10	9.0	1400.0		
	76	5	8.8	1300.0		

CB-TRACI
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER AQUIFERS

WELL	YR	MO	PH	PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
----	--	--	---	----	-----	-----	-----
WY45	76	10	9.0		1415.0		
	77	11	8.9		1250.0	14.0	3.5
	78	11	8.1		1350.0	6.0	2.0
	79	5					
		12					
	80	6	8.1		1280.0	16.0	1.7
	81	7	8.3		1150.0	25.0	3.5
	82	5	9.2		1180.0	12.2	
		8	8.8		1390.0	13.0	
		12	8.6		1200.0	11.0	
WY46	74	11	8.5		1400.0		
	75	4	8.8		1200.0		
		10	9.0		1200.0		
	76	5	8.8		1250.0		
		10	8.7		1329.0		
	78	5	8.2		1150.0	18.0	3.3
		11	8.7		1100.0	6.0	2.0
	79	5					
		12					
	80	6	7.8		1300.0	16.0	2.0
WY51	81	7	8.3		1170.0	24.0	2.3
WY51	74	11	8.8		40000.0		
	75	4	8.4		40000.0		
		10	8.6		36000.0		
WY52	76	10	8.6		20420.0		
	77	11	7.9		11500.0	16.0	3.2
	78	5	7.9		6000.0	21.0	4.3
		11	7.8		28200.0	11.0	2.0
	79	5					
		12					
	80	6	7.8		3560.0	24.0	4.5
WY54	75	4	8.7		1200.0		
		10	9.0		1200.0		
	76	10	8.7		1287.0		
	78	5	7.8		2000.0	17.0	-1.0
		11	7.4		1600.0	6.0	3.0
	79	5					
		12					
	80	6	8.1		1300.0	22.5	5.3

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
LOWER AQUIFERS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
----	--	--	-----	-----	-----	-----
WY61	75	4	8.4	2100.0		
		10	9.1	2700.0		
	76	5	8.8	2300.0		
		10	8.8	3099.0		
WY62	75	4	8.8	1200.0		
		10	8.9	1300.0		
	76	5	9.3	630.0		
		10	8.9	2211.0		
	79	12				
WY80	75	4	8.8	1800.0		
	77	11	8.3	1800.0	20.0	4.1
WY81	75	10	9.0	1850.0		
	76	5	8.6	1350.0		
		10	8.8	1889.0		
	78	5	8.1	1850.0	15.0	2.4
		11	7.8	2800.0	11.0	2.0
	79	5				
		12				
	81	7	8.1	1500.0	17.0	4.7
	82	8	8.1	1780.0	8.5	
WY91	74	11	8.4	1400.0		
	75	4	8.6	3100.0		
		10	9.0	1400.0		
	76	5	8.6	1700.0		
		10	8.6	1378.0		
	79	5				
		12				
	80	5	7.3	7190.0	21.0	2.6

CH-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	Yr	MO	TOTAL ALK (MG/L)		AMMONIA AS N (MG/L)		AS (MG/L)	BA (MG/L)	HCO ₃ (MG/L)		CO ₃ (MG/L)		BR (MG/L)	HARDNESS (MG/L)	NA (MG/L)	MG (MG/L)	CA (MG/L)
			CA	CO ₃	AL	AS N			CA	CO ₃	CA	CO ₃					
WY01	74	11	.050			2.100	.002	.08	2500.0		62.0		.030		1100.0	4.0	4.0
75	4		.080			3.400	.008	.30	2700.0		43.0		.010		1100.0	4.0	5.0
10			1.000			1.200	.002	.20	2200.0		83.0		.030		1000.0	3.0	3.0
76	10		.600			2.200	.004	.40	2570.0		55.0		.010		1120.0	3.0	4.0
77	11		.300				-.020	1.00	3830.0		247.0			26.0	1320.0	3.0	6.0
78	5		.300			2.830	-.020	1.00	2400.0		700.0		-.100	26.0	3400.0	2.0	3.5
11			-.020			2.900	-.020	3.00	2500.0		200.0		-.100	24.0	1600.0	4.0	8.0
79	5		-.100			3.200	-.020	1.70	2700.0		120.0		-.100	45.0	1500.0	3.4	9.0
12			-.100			3.000	-.020	3.90	2500.0		180.0		-.100	22.0	1400.0	2.3	5.0
80	5		-.100			2.800	-.020	4.10	2500.0		290.0		-.100	23.0	1200.0	3.0	4.4
WY09	75	4	.300			197.000		3.00	25000.0		1600.0		10.000		17000.0	10.0	5.0
WY10	76	5	.030			.600	.006	.09	104.0				.100		640.0	111.0	216.0
10			.030			3.800	.010	.09	287.0				.070		650.0	110.0	127.0
WY12	75	4	.500			4.400	.003	.09	2600.0		62.0		.200		1200.0	15.0	12.0
10			.090			1.700	.004	.10	1800.0		54.0		.050		780.0	8.0	6.0
76	5		.060			9.500	.030	.04	3730.0		160.0		.300		2130.0	11.6	6.9
10			.900			15.500	.060	.02	4300.0		120.0		.080		2320.0	10.0	7.0
77	11		.4250.0				-.020	-.50	4130.0		120.0			44.0	1730.0	7.0	6.0
76	5		.500			3.860	.020	-.50	490.0		-1.0		-.100	62.0	3200.0	3.0	11.0
11			.100			22.000	-.020	-.50	3890.0		410.0		-.100	360.0	3000.0	10.0	9.0
79	5		-.100			21.000	.050	-.50	4200.0		300.0		-.100	58.0	2500.0	6.0	8.6
12			-.100			14.000	.160	1.60	3400.0		130.0		-.100	40.0	1900.0	5.5	6.8
80	5		-.100			9.200	.110	-.50	5200.0		400.0		-.100	47.0	1800.0	6.0	6.7
WY17	76	5	.002			16.800	.009	.30	4740.0		130.0		.300		2680.0	7.1	8.9
10			.090			12.000	.020	.70	3260.0		108.0		.300		1800.0	7.0	10.0
77	11		.400				-.020	2.70	4880.0		10.0			58.0	1700.0	6.6	12.0
78	5		.200			6.550	-.020	3.00	1800.0		400.0		-.100	46.0	2700.0	2.0	10.0
11			.040			6.000	-.020	5.00	1780.0		120.0		-.100	45.0	1300.0	7.0	11.0
79	5		-.100			5.200	-.020	4.40	1700.0		70.0		-.100	52.0	1000.0	5.2	6.6
12			-.100			8.300	-.020	5.70	1700.0		-1.0		-.100	37.0	900.0	4.8	6.8
80	6		-.100			2.500	-.020	6.30	1800.0		68.0		-.100	36.0	930.0	5.0	6.2
WY18	75	4	.200			100.000	.090	8.00	18000.0		720.0		3.000		11000.0	13.0	11.0
9			.300			150.000	.040	3.00	17000.0		1000.0		7.000		11000.0	7.0	9.0

NOTE: - INDICATES LESS THAN

CH-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

TOTAL			ALK		AMMONIA		HCO ₃		CO ₃		BR		HARDNESS		NA		MG		CA	
WELL	YR	MO	(MG/L)	AL	AS	BA	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WY45	74	11		.900	.030	.04	780.0	160.0	.050							320.0	4.0	4.0		
	75	4		.080	.003	.30	780.0	30.0	.010							320.0	4.0	4.0		
	10			.050	.600	.005	.04	710.0	.240	.010						330.0	5.0	5.0		
	76	5			3.100	.003		748.0	21.0							327.0	3.6	4.8		
	10			1.000	.600	.020	.10	735.0	30.0	.010						340.0	3.0	5.0		
	77	11		.300	.020	.30	890.0	46.0							36.0	330.0	3.0	5.0		
	78	11		690.0	1.500	.020	2.00	580.0	110.0	.100				340.0	370.0	2.0	2.0	6.0		
	79	5		640.0	1.200	.020	1.70	550.0	90.0	.100				82.0	330.0	3.2	6.5	6.5		
	12			730.0	1.000	.020	2.00	490.0	240.0	.100				16.0	270.0	1.8	3.6	3.6		
	80	6		700.0	1.000	.020	3.10	550.0	150.0	.100				23.0	320.0	2.7	4.7	4.7		
	81	7		700.0	1.300	.020	.80	550.0	150.0	.100				27.0	310.0	3.1	5.5	5.5		
	82	5		680.0	.700	.020	.50	640.0	3.0	.100				14.0	350.0	2.8	2.8	2.8		
	12			650.0	1.000	.020	.50	650.0	30.0	.100				1.0	350.0	2.8	2.8	2.8		
					.600	.020	.70	650.0	-1.0	.100				20.0	340.0	3.0	3.1	3.1		
WY46	74	11		.500	.400	.050	.10	420.0	7.0	.030						230.0	2.9	2.9		
	75	4		.400	.400	.010	.20	740.0	18.0	.008						310.0	8.0	7.0		
	10			.100	.600	.020	.20	680.0	22.0	.010						290.0	6.0	6.0		
	76	5			2.800	.030		710.0	16.0							304.0	5.0	6.3		
	10			.040	.360	.007	.10	722.0	14.0	.004						310.0	4.0	6.0		
	76	5		650.0	1.100	.020	.70	600.0	50.0	.100				60.0	340.0	5.0	8.5	8.5		
	11			620.0	1.200	.020	2.00	580.0	40.0	.100				240.0	380.0	5.0	8.0	8.0		
	79	5		630.0	1.100	.020	1.70	560.0	70.0	.100				62.0	320.0	3.7	7.8	7.8		
	12			620.0	.300	.020	2.40	470.0	150.0	.100				22.0	240.0	2.6	4.7	4.7		
	80	6		680.0	.900	.020	3.90	560.0	120.0	.100				31.0	300.0	3.7	6.5	6.5		
	81	7		670.0	1.400	.020	.80	550.0	120.0	.100				29.0	300.0	3.4	6.2	6.2		
WY51	74	11		.400	.030	3.00	2200.0	2000.0	.600					16000.0	16000.0	14.0	6.0	6.0		
	75	4		.040	91.000	.200	2.00	2100.0	1700.0	.8000				16000.0	16000.0	10.0	10.0	10.0		
	10			.080	130.000	.100	2.00	2300.0	1500.0					16000.0	16000.0	4.0	6.0	6.0		
WY52	76	10		.040	25.500	.040	6.00	11300.0	288.0	.600						8140.0	8.0	9.0		
	77	11		5370.0	1.000	.020	2.30	5360.0	5.0					72.0	2700.0	7.9	16.0	16.0		
	78	5		2400.0	.500	.020	.50	2400.0	-1.0	.100				56.0	1500.0	5.0	12.0	12.0		
	11			2200.0	12.000	.020	6.00	2020.0	180.0	.100				45.0	1500.0	8.0	15.0	15.0		
	79	5		580.0	1.000	.020	.50	500.0	80.0	.100				65.0	290.0	5.6	8.5	8.5		
	12			1400.0	5.500	.020	5.00	1300.0	150.0	.100				29.0	850.0	3.0	6.8	6.8		
	80	6		1300.0	6.100	.020	5.70	1200.0	110.0	.100				32.0	720.0	3.3	7.1	7.1		

NOTE: - INDICATES LESS THAN

CB-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L) CACU3	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L) CACU3	CU3 (MG/L) CACU3	BR (MG/L)	HARDNESS (MG/L) CACU3	NA (MG/L)	MG (MG/L)	CA (MG/L)
WY54	75	4		.500	.050	.09	740.0	21.0	.030		330.0	13.0	10.0
		10		1.200	.060	.09	630.0	21.0	.010		280.0	10.0	10.0
	76	10		1.150	.006	.10	677.0	15.0	.006		295.0	6.0	7.0
	78	5	1120.0	1.420	.020	.50	1070.0	50.0	.190	90.0	530.0	13.0	40.0
	11	5	510.0	1.600	.020	.50	490.0	20.0	.100	490.0	230.0	110.0	46.0
	79	5	1100.0	4.500	.020	2.60	1000.0	110.0	.100	57.0	680.0	3.2	5.7
	12	6	600.0	1.500	.020	1.60	460.0	140.0	.100	460.0	210.0	85.0	45.0
	80	6	600.0	1.000	.030	1.70	520.0	80.0	.100	30.0	270.0	3.8	5.5
WY61	75	4		.500	.003	.06	820.0	12.0	.050		450.0	9.0	16.0
		10		.090	.010	.02	1400.0	60.0	.100		770.0	3.0	2.0
	76	5		.005	.003	.10	1430.0	35.0	.009		660.0	3.4	5.4
		10		.100	.009	.20	1860.0	47.0	.010		800.0	4.0	7.0
WY62	75	4		1.800	.009	.06	600.0	18.0	.050		290.0	10.0	8.0
		10		2.500	.002	.03	700.0	42.0	.050		330.0	7.0	8.0
	76	5		3.000	.002	.07	265.0	17.0	.030		143.0	1.9	4.7
		10		.760	.001	.02	744.0	20.0	.003		320.0	4.0	5.0
	79	12	220.0	.030	.020	.50	120.0	100.0	.100	250.0	160.0	56.0	9.6
WY80	75	4		1.800	.020	.50	1200.0	30.0			490.0	3.0	3.0
	77	11	1350.0	.600	.020	2.00	1310.0	42.0		26.0	524.0	2.8	4.0
WY81	75	10		.090	.006	.10	1196.0	36.0	.006		505.0	3.0	5.0
	76	5		2.000	.030	.50	880.0	17.0	.020		358.0	1.5	2.8
		10		.300	.030	.50	1150.0	32.0	.006		515.0	3.0	4.0
	78	5	13.0	1.100	.020	1.00	13.0	-1.0	.100	34.0	2400.0	2.0	5.0
	11	5	930.0	1.700	.020	3.00	870.0	60.0	.100	60.0	540.0	3.0	6.0
	79	5	1000.0	1.300	.020	2.60	920.0	100.0	.100	50.0	490.0	3.2	6.2
	12	5	990.0	1.000	.020	3.90	750.0	240.0	.100	20.0	420.0	2.3	4.1
	81	7	1000.0	1.200	.020	.70	900.0	120.0	.100	22.0	470.0	3.0	4.1
	82	8	990.0	.900	.020	.50	960.0	30.0	.100	20.0	600.0	2.6	3.9
WY91	74	11		.400	.020	.08	970.0	17.0	.030		410.0	8.0	19.0
	75	4		.050	.006	.08	1700.0	26.0	.200		830.0	4.0	4.0
		10		.200	.005	.10	870.0	24.0	.030		370.0	3.0	5.0
	76	5		3.100	.016	.08	1200.0	24.0	.050		548.0	2.9	4.0
		10		3.450	.020	.20	1290.0	24.0	.030		575.0	3.0	5.0
	79	5	790.0	1.700	.020	.80	720.0	70.0	.100	80.0	410.0	4.0	6.9

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	TOTAL ALK (MG/L)		AMMONIA AS N (MG/L)		AS (MG/L)		BA (MG/L)		HCO3 (MG/L)		CO3 (MG/L)		BR (MG/L)		HARDNESS (MG/L)		NA (MG/L)		MG (MG/L)		CA (MG/L)	
			CA	CO3	AL	AS N	AS	BA	HCO3	CO3	BR	CA	CO3	CA	CO3	CA	CO3	CA	CO3	CA	CO3	CA	CO3	
WY91	79	12	1200.0	-0.100	-0.100	5.000	-0.020	2.00	1100.0	130.0	-0.100	22.0	700.0	2.5	4.9									
	80	5	2800.0	-0.100	-0.100	15.000	-0.020	3.10	2600.0	210.0	-0.100	28.0	1500.0	3.6	5.3									

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	MO	NO ₃ (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	H (MG/L)	TOTAL DISS SOLIDS (MG/L)	SM (MG/L)	SU ₄ (MG/L)	CL (MG/L)	CU ₂ (MG/L)	CH (MG/L)	CU (MG/L)
WY01	74	11	.020	.50			9.0	.70	2500.0	.4	-4.0	64.0		.006	.090
75			.90			14.0	4.0	.90	2500.0	.6	12.0	30.0		-.010	.030
76	10	.005	.02			5.0	5.0	1.00	2570.0	.4	10.0	17.0		.004	.030
77	11	-.020	1.40		58.0		5.5	.91	-1.1	1.4	353.0	21.0	52.0	.020	-.100
78	5	.200	6.00		16.0		.4	9.00	-1.1	.8	86.0	28.0	42.0	-.100	-.200
11	.020	2.00	10.0		10.0		6.0	.90	-1.1	1.0	3.0	20.0	2.0	-.020	-.020
79	5	.500	44.00		5.0		3.0	1.00		.7	-5.0	30.0	2.0	-.020	-.020
12	-.020	58.00	2.0		2.0		4.2	.60	3200.0	.7	-5.0	2.0	24.0	.040	-.020
80	5	-.010	-1.50		-1.0		6.1	.90	3300.0	.3	-5.0	60.0	9.0	-.020	-.020
WY09	75	4	.080	.50			122.0	405.00	42000.0	2.0	25.0	9800.0		-.010	.900
WY10	76	5	-.007	.20			11.3	.60	2753.0	10.3	324.0	1370.0		.010	.040
10	.008	-.02					10.0	.60	2550.0	8.7	211.0	1263.0		.020	.020
WY12	75	4	.100	-.10			12.0	12.00	3000.0	.9	15.0	280.0		-.010	.090
10	.020	1.80					5.0	.70	1900.0	1.0	-4.0	68.0		-.010	.030
76	5	.10					20.0	10.00	5236.0	.4	316.0	610.0		.003	.090
10	-.020	.28					20.0		5747.0	.2	313.0	700.0		.002	.020
77	11	.040	7.30		15.0		28.0	17.90	-1.1	1.3	91.0	470.0	60.0	.020	.020
78	5	.200	9.00		11.0		.8	30.00	-1.1	1.0	140.0	720.0	32.0	-.100	-.200
11	.500	8.00	20.0		20.0		22.0	34.00	-1.1	1.0	190.0	360.0	30.0	-.020	-.020
79	5	3.000	92.00		10.0		9.2	26.00		.9	190.0	640.0	43.0	-.020	-.020
12	.500	58.00	5.0		5.0		13.0	15.00	500.0	.9	10.0	7.4	27.0	.040	-.020
80	5	.100	-.50		9.0		25.0	15.00	4700.0	.6	-5.0	400.0	26.0	-.020	-.020
WY17	76	5	.020	.12			18.6	7.00	6486.0	.4	41.0	1084.0		.003	.008
10		-.02					11.0	9.00	4300.0	.6	7.0	640.0		.005	.030
77	11	.020	4.40		9.4		11.0	12.60	-1.1	2.6	222.0	390.0	32.0	-.020	.030
78	5	-.100	15.00		-1.0		.5	10.00	-1.1	2.0	70.0	300.0	36.0	-.100	-.200
11	.020	1.0			1.0		10.0	8.00	-1.1	2.0	4.0	280.0	20.0	-.020	-.020
79	5	-.020	8.00		8.0		3.2	6.20	2380.0	1.2	-5.0	190.0	13.0	-.020	-.020
12	-.020	8.00	12.0		12.0		6.6	5.50	2300.0	1.3	9.0	4.0	37.0	.040	-.020
80	6	-.010	-.50		1.0		6.7	5.80	2300.0	1.8	-5.0	230.0	18.0	-.020	-.020
WY18	75	4	.040	.50			85.0		28000.0	6.0	120.0	6900.0		-.010	.040
9	.020	.20					91.0	200.00	28000.0	2.0	-4.0	6200.0		-.010	.200

NOTE: - INDICATES LESS THAN

CB-IMACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	OIL AND		PHENOLS (MG/L)	K (MG/L)	H (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SU4 (MG/L)	CL (MG/L)	CUU (MG/L)	CK (MG/L)	CU (MG/L)
			MO (MG/L)	NU3 (MG/L)										
WY45	74	11	.070	-.10			1.10	1200.0	.4	90.0	30.0		.003	.100
	75	4	.030	-.10		7.0	.43	800.0	1.0	17.0	4.0		-.010	.030
	76	10		.20		8.0	.60	700.0	.5	4.0	30.0		-.010	.020
	76	5		.10		6.6		792.0	.7	25.0	4.4			
	76	10	.008	.08		10.0	.05	817.0	.3	17.0	9.0		.010	.200
	77	11	-.020	.40		15.0	.70	-2.1	2.3	62.0	12.0	40.0	-.020	.020
	78	11	.040	-.10		18.0	.80	-2.1	2.0	6.0	15.0	20.0	-.020	.020
	79	5	-.020	35.00		3.4	1.00	770.0	2.3	10.0	5.6	8.3	-.020	.020
	12	-.020	15.00	2.0		10.0	.70	790.0	1.2	-5.0	2.0	5.2	-.020	.020
	80	6	.020	-.50		5.8	.70	800.0	2.4	-5.0	30.0	7.0	-.020	.020
	81	7	.020	-.50		12.0	.70	790.0	2.0	-5.0	6.3	-50.0	-.020	.020
	82	5	-.010	-.50		8.8	.40	870.0	-5.5	-5.0	4.0	140.0	-.020	.100
WY46	74	11	.100	1.00		6.0	1.40	890.0	5.0	350.0	9.0		.005	.030
	75	4	.080	-.10		3.0	.84	760.0	1.0	14.0	3.0		-.010	.020
	76	10	.020	.20		3.0	.80	720.0	2.0	33.0	3.0		-.010	.007
	76	5		-.04		4.2		744.0	.9	25.0	1.0			
	76	10	.008	.22		2.0	.10	748.0	.6	22.0	3.0		.009	.004
	78	5	-.100	6.30		4.0	.40	-2.1	3.0	320.0	10.0	44.0	-.020	.020
	79	5	-.020	20.00		1.5	.30	750.0	3.0	9.0	9.0	6.0	-.020	.020
	12	-.020	2.0	-.10		9.9	.70	720.0	2.1	-5.0	3.5	6.2	-.020	.020
	80	6	.010	-.50		3.0	.80	770.0	4.1	-5.0	2.4	20.0	-.020	.020
	81	7	.010	-.50		8.0	.60	770.0	2.6	34.0	59.0	18.0	-.020	.020
	74	11	.010	-.10		125.0	.315.00	39000.0	3.0	2.0	8150.0		.007	.200
	75	4	.100	.60		120.0	.305.00	39000.0	1.0	90.0	9000.0		-.010	.200
WY52	76	10	.030	.30		122.0	.310.00	39000.0	.8	-4.0	8200.0		-.010	.020
	76	10		.00		34.0		15870.0	1.2	20.0	3280.0		.007	.100
	77	11	.020	22.00		15.0	.39.20	-2.1	3.7	16.0	1160.0	320.0	-.020	.060
	78	5	.100	11.00		8.6	.21.00	-2.1	3.0	4.0	590.0	8.0	-.020	.200
	11	.100	.20	.20		8.3	.20.00	-2.1	3.0	-5.0	210.0	4.0	-.020	.020
	79	5	.020	29.00		2.0	.60	1900.0	2.2	7.0	11.0	4.0	-.020	.020
	12	.030	18.00	10.0		3.7	.90	1900.0	1.7	7.0	20.0	9.0	-.020	.020
	80	6	-.010	-.50		3.8	.850	1800.0	2.4	-5.0	270.0	9.0	-.020	.020

NOTE: - INDICATES LESS THAN

C-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)	PHENOLS (MG/L)	N (MG/L)	H (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CR (MG/L)	CU (MG/L)
W54	75	4	.200	-.10			5.0	1.10	870.0	2.0	82.0	20.0		-.010	.010
	76	10	.080	-.10			2.0	2.70	710.0	1.0	38.0	9.0		-.010	.004
	78	5	-.050	.34			3.0	.30	726.0	.4	29.0	8.0		.020	.009
	78	5	-.100	5.40	15.0	.0020	9.0	3.00	-.1	3.0	8.2	94.0	150.0	-.020	-.020
	11	.020	-.10	5.10	2.0	.0100	3.0	.40	-.1	4.0	400.0	13.0	10.0	-.020	-.020
	79	5	1.000	17.00	19.0	-.0010	3.2	7.80		1.6	6.0	200.0	17.0	-.020	-.020
	12	.030	41.00	4.0	.0100	3.9	.40	.40	1100.0	6.0	450.0	3.0	3.0	.020	.030
	80	6	.060	-.50	11.0	-.0010	2.1	.60	700.0	2.9	-5.0	47.0	7.0	-.020	-.020
W61	75	4	.010	1.60			32.0	.65	1300.0	.7	180.0	180.0		-.010	.030
	10	.100	3.40				13.0	.20	1700.0	.1	16.0	131.0		-.010	.005
	76	5	.010	.96			7.3	.20	1542.0	.2	82.0	19.0		.003	.010
	10	.020	.24				6.0	.70	1894.0	.2	26.0	50.0		.005	.040
W62	75	4	.100	-.10			11.0	.70	830.0	.7	110.0	73.0		-.010	.010
	10	.050	2.90				5.0	.40	810.0	.6	-4.0	48.0		-.010	.003
	76	5	.030	-.04			2.5	.10	356.0	.3	16.0	31.0		-.010	.030
	10	.020	.18				2.0	.30	776.0	.3	17.0	12.0		.007	.010
	79	12	.090	260.00	11.0	.0120	1.2	.20	850.0	.9	290.0	100.0	66.0	-.020	-.020
W80	75	4	.008	.20			1.0	1.10	1200.0	.8	24.0	3.0		-.010	.020
	77	11	-.020	1.80	15.0		1.6	.91	-.1	2.7	16.0	6.0	140.0	.020	.030
W81	75	10	.030	.04			1.6	.08	1197.0	.4	29.0	10.0		.007	.030
	76	5	-.008	-.04			3.1	.05	885.0	.3	25.0	4.4		.010	
	10	-.004	-.02				2.0	.05	1167.0	.6	-4.0	7.0		.009	.010
	76	5	.300	4.00	21.0	-.0010	.1	.70	-.1	3.0	66.0	8.0	10.0	.100	-.020
	11	.020	.20	10.0	10.0	.0020	1.0	.60		3.0	-5.0	6.0	20.0	-.020	-.020
	79	5	.020	-.10	17.0	-.0010	.7	.70	1100.0	2.2	-5.0	3.4	2.1	-.020	-.020
	12	.080	.10	4.0	4.0	-.0010	.9	.70	1100.0	2.3	6.0	1.8	12.0	-.020	-.020
	81	7	-.010	-.50	-10.0	.0070	5.4	.80	1100.0	2.1	-5.0	5.3	-50.0	-.020	-.020
	82	8	-.010	-.20	-10.0	-.0400	1.5	1.00	1100.0	1.2	5.5	7.8	-50.0	-.020	-.020
W91	74	11	.070	-.10			5.0	4.90	1000.0	2.0	67.0	28.0		.006	.030
	75	4	.040	-.10			7.0	4.30	2000.0	.2	57.0	138.0		-.010	.009
	10	.020	.20				2.0	1.40	880.0	.3	-4.0	11.0		-.010	.004
	76	5	.030	.12			3.7	.30	1316.0	.4	12.0	80.0		.020	.020
	10	.020	.24				4.0	.80	1411.0	.2	12.0	96.0		.007	.020
	79	5	-.020	10.00	20.0	.0070	2.2	1.00		1.9	-5.0	29.0	13.0	-.020	.020

NOTE: - INDICATES LESS THAN

CR-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	MO	OIL AND GREASE		PHENOLS	K	B	TOTAL DISS		SR	SO ₄	CL	CUD	CK	CU
				(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WY91	79	12		-0.020	12.00	6.0	.0120	4.5	8.40	1720.0	2.1	6.0	7.6	4.0	-0.020	-0.020
	80	5		.030	-0.50	5.0	.0010	16.0	30.00	4100.0	1.3	-5.0	700.0	40.0	-0.020	-0.020

NOTE: - INDICATES LESS THAN

CB-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	NO3 (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY01	74	11	12.0		-1.10					.040	.008	-.50	.200	.30	16.00
	75	4	15.0		-1.10		.00010	.004		.090	.020	-.50	.002	-.05	28.00
	10	13.0			-1.10		-.00010			.030	.020	-.50	.100	.40	23.00
	76	10	17.0		.04		.00007	-.0002		.010	.008	-.50	-.100	-.10	28.00
	77	11	-.1			3.06			-.010	.050	.040	.03	.020	.20	31.00
	78	5	-.1			3.32	.00100		.060	-.100	-.100	.08	-.100	-.50	32.00
	11	-.1				3.60	-.02000	-.020	-.020	-.020	-.020	.04	.060	-.50	31.00
	79	5				9.00	-.02000	-.020	-.010	-.020	-.050	.02	.070	-.50	29.00
	12					1.90	-.02000	-.020	-.010	-.020	.040	-.05	.070	.02	31.00
	80	5				2.90	-.00020	.030	-.010	.010	.020	-.05	.100	.30	28.00
WY09	75	4	21.0		.70		.00010		.020	.030	.040	79.00	.100	3.10	47.00
WY10	76	5	2.0		.05		.00020	-.003		.020	.004	.50	.200	-.10	4.40
	10	11.0			.01		.00006	-.003	-.010	.090	-.010	-.50	.600	2.40	4.00
WY12	75	4	13.0		-.10		.00030			.100	.020	1.30	.100	-.05	21.00
	10	11.0			-.10		.00010			.200	.010	-.50	.100	.10	20.00
	76	5	11.0		.02		.00003			.030	-.010	4.10	.100	-.10	28.00
	10	17.0			.02		.00009	-.0008		.009	-.030	5.00	.100	-.10	25.00
	77	11	-.1			12.00			-.010	-.020	.100	2.50	.030	.04	28.00
	78	5	-.1			23.40	.00100		-.020	-.1.000	-.100	5.00	-.200	-.50	30.00
	11	-.1							-.020	.020	-.020	5.00	.100	1.00	32.00
	79	5				12.00	-.02000	-.020	-.010	-.020	-.050	2.70	.070	-.50	31.00
	12					9.00	-.02000	-.020	-.010	-.020	-.020	2.10	.050	-.02	32.00
	80	5				10.00	-.00020	-.010	-.010	.020	.040	1.70	.060	.10	28.00
WY17	76	5	17.0		-.02		-.00010	-.0002		.005	.005	5.00	.100	-.10	21.00
	10	17.0			.04		.00009	-.003		.005	.020	2.60	.100	-.10	21.00
	77	11	-.1			4.99			-.010	-.020	.100	1.40	.050	.06	22.00
	78	5	-.1			6.70	.00100		-.020	-.100	.200	1.00	-.200	-.50	23.00
	11	-.1				8.00	-.02000	-.020	-.020	.030	-.020	.80	.060	.60	22.00
	79	5				3.00	-.02000	-.020	-.010	-.020	-.050	.40	.040	-.50	22.00
	12					4.90	-.02000	-.020	-.010	.100	-.020	.70	.040	-.02	21.00
	80	5				4.80	-.00020	.020	-.010	.020	-.020	.60	.020	-.02	28.00
WY18	75	4	24.0		-.10		-.00010	.020		.050	.070	43.00	.090	1.50	34.00
	9	20.0			-.10		.00010	.006	-.010	.020	.070	58.00	.100	7.90	37.00
WY45	74	11	12.0		-.10		.00190			.200	.020	-.50	.060	.20	10.00

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	SIU2 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY45	75	4	10.0		-.10		.00010	.002		.700	.010	-.50	.040	-.05	19.00
	10	6.0			-.10		-.00010			.005	.020	-.50	.020	-.05	17.00
	76	5	11.0		.08								-.100	.30	16.00
	10	12.0			.05								.100	6.00	20.00
	77	11	-.1			1.37	.00004	-.004	-.010	.040	.100	-.50	-.020	.10	20.00
78	11	-.1				3.00	-.02000	-.020	-.020	-.020	-.050	.04	-.020	-.50	19.00
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.050	.03	.050	.01	20.00
	12					1.30	-.02000	.020	-.010	-.020	-.020	-.05	-.020	-.02	20.00
	80	6				1.10	-.00020	-.010	-.010	-.010	-.020	-.05	.030	.02	19.00
	81	7	9.2			1.70	-.00020	-.010	-.010	-.020	-.020	-.05	.020	.03	21.00
82	5	11.0					-.00020	-.010	*****	.080	.020	-.05	.030	.60	25.00
	8	10.0			.04		-.01000			-.020	-.050	1.70	.030	.03	19.00
	12	12.0			-.01		-.00020	-.010	-.010	.020	.030	-.05	-.020	.40	21.00
	74	11	16.0		-.10		.00090			.050	.030	-.50	.200	.18	9.00
	75	4	19.0		-.10		.00040	.003		.050	.020	-.50	.300	-.05	16.00
76	5	13.0			-.10		-.00010		-.002	.020	.008	-.50	.100	-.05	17.00
	10	14.0			.03								-.100	.10	15.50
	78	5	-.1			1.50	.00007	-.002	-.020	.010	-.010	-.50	-.100	.10	17.00
	11	-.1				2.80	.00100	-.020	-.020	-1.000	.200	.05	.040	.10	18.70
	79	5				-1.00	-.02000	-.020	-.010	-.020	-.020	.05	.030	-.50	19.00
80	5					.10	-.02000	-.020	-.010	-.020	-.050	.03	.080	.02	18.00
	12					1.00	-.02000	.020	-.010	-.020	.020	.05	-.020	-.02	18.00
	80	5				1.00	-.00020	.020	-.010	-.010	.020	.06	.020	.03	18.00
	81	7	10.0			1.40	-.00020	-.010	-.010	-.020	-.020	-.05	.030	-.02	20.00
	74	11	24.0		-.10		.00260			.030	.030	79.00	.070	2.30	48.00
WY51	75	4	38.0		-.10		.00020	.010		.050	.400	63.00	.040	-.05	46.00
	10	21.0			-.10		.00200	.005	.020	.010	.040	76.00	.040	7.70	42.00
	76	10	19.0		.24		.00025		-.010	.030	-.030	23.00	.100	1.80	26.00
	77	11	-.1			19.00			-.010	-.020	.200	6.00	.100	.60	22.00
	78	5	-.1			12.80	.00100		-.020	-1.000	.600	4.00	.050	-.50	22.00
79	5	-.1				9.90	-.02000	-.020	-.020	-.020	-.020	3.00	.040	-.50	22.00
	11					-1.00	-.02000	-.020	-.010	-.020	-.050	.03	.030	-.50	18.00
	12					5.00	-.02000	-.020	-.010	-.020	-.020	1.40	.040	-.02	20.00
	80	5				6.10	-.00020	-.010	-.010	.010	.020	1.20	.030	-.02	22.00
	75	4	10.0		-.10		.00030	.004		4.000	.040	-.50	.050	-.05	14.00
WY54	75	10	13.0		-.10		.00010			.060	.004	-.50	.050	.80	14.00
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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	SI02 (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	Hg (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	Pb (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WY54	76	10	11.0		-.02		.00010		-.020	-.010	.030	-.50	-.100	.10	17.00
	78	5	-.1			2.98	.00100	-.020	-.020	-1.000	.200	.60	-.020	-5.00	9.60
	11					3.40	-.02000				.100	.07	.090	-.50	1.90
	79	5				2.00	-.02000	-.020	-.010	-.020	-.050	.90	.030	-.50	20.00
	12					3.00	-.02000	-.020	-.020	.300	.040	.06	.200	1.60	2.50
80	6					1.00	.00020	-.010	-.010	-.010	.020	.05	.020	-.02	17.00
WY61	75	4	5.0		-.10		.00270			.030	.010	-.50	.200	-.05	11.00
	10	5.0			-.10		.00010			.060	.006	-.50	.030	.20	20.00
	76	5	9.0		.07		-.00003			.010	-.005	-.50	.100	-.10	16.40
	10	15.0			.07		.00006	-.001		.020	-.004	-.50	.100	-.10	22.00
	75	4	2.0		-.10		.00160				.010	-.50	.020	-.05	12.00
WY62	10	4.0			-.10		-.00010		-.002	.200	.003	-.50	.060	-.05	15.00
	76	5	2.0		.04		-.00003			.050	-.020	-.50	-.100	.10	6.50
	10	11.0			-.02		.00015	-.004			.010	-.50	-.100	.10	17.00
	79	12				1.10	-.02000	.240	-.010	-.020	-.020	.07	.050	-.02	.30
	75	4	13.0		-.10		.00010		-.010	.500	.009	-.50	.050	-.05	26.00
77	11	-.1				.84				-.020	.100	.06	.030	.50	23.00
WY61	75	10	5.0		.06		-.00003	-.001	-.001	.030	.050	-.50	-.100	.30	14.00
	76	5	21.0		.24		.00006	-.002		.020	-.010	-.50	-.100	1.20	16.60
	10	14.0			.07		.00006		.020	-.100	.100	-.50	-.100	-.10	23.00
	78	5	-.1			2.12	-.02000	-.020	-.020	-.020	-.020	.08	-.020	-.50	24.00
	11	-.1				3.00	-.02000	-.020	-.010	.030	-.050	.05	-.020	.10	22.00
79	5					1.00	-.02000	-.020	-.010	-.020	-.020	.08	-.020	-.02	23.00
80	12					.80	-.02000	-.010	.010	-.020	-.020	.07	-.020	.20	24.00
81	7	13.0			.09		-.00020	-.010		-.020	.050	.07	-.020	.10	22.00
82	8	11.0					-.00020	-.010		-.020	.050		-.020	.10	22.00
WY91	74	11	13.0		-.10		.00020	.005	.009	1.000	.010	-.50	.090	.60	18.00
	75	4	12.0		-.10		.00100			.050	.010	1.50	.030	-.05	25.00
	10	14.0			-.10		-.00100			.010	-.004	-.50	.030	.90	19.00
	76	5	13.0		-.02		-.00003			.020	-.010	.90	-.100	-.10	21.00
	10	17.0			.02		.00011	.002		.020	-.006	.90	-.100	.20	20.00
79	5					1.00	-.02000	-.020	-.010	-.020	-.050	.20	.030	-.50	21.00
80	12					5.60	-.02000		-.020	.040	-.020	1.60	.040	-.02	21.00
80	5					16.00	-.00020	.300	-.010	.020	.020	4.60	.100	.09	22.00

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/ML)	CU (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	SC03 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
*Y01	74	11						.009						.002
*Y01	75	4						.000						.009
	10							.008						.020
	76	10			.010									.010
	77	11			-.020	-.1		.200	-.1	3430.0				
	78	5			-.020	219.0		-.100	-.1	3400.0				
	11				-.020	19.0		-.020	8.0	3300.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	4.0					
	12					6.0		-.020						
	80	5				72.0		-.020						
*Y09	75	4				25.0					.005			3.000
*Y10	76	5			-.010	6.0								.020
	10													.030
*Y12	75	4				4.0		.020			.020			.100
	10					11.0		.004						.020
	76	5												.070
	10													.010
	77	11			-.020	-.1		.070	-.1	4780.0				
	78	5			-.020	41.0		-.100	-.1	6300.0				
	11				-.020	-.1		-.020	-.1	6430.0				
	79	5	-1.00	-1.0	-.020		-.05	.050	8.0					
	12					337.0		.020						
	80	5				46.0		-.020						
*Y17	76	5				58.0								.070
	10													.005
	77	11			-.020	-.1		.040	-.1	3510.0				
	78	5			-.020	162.0		-.100	-.1	3000.0				
	11				-.020	82.0		-.020	7.0	2700.0				
	79	5	-1.00	-1.0	-.020		-.05	-.020	-.1.0					
	12					10.0		-.020						
	80	6				14.0		-.020						
*Y18	75	4				20.0								2.000
	9					15.0					-.003			1.000
*Y45	74	11						.020						.070

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	FECAL COLIFORM		CU	DOC	LAS	NI	S2O3	SOLUBLE SOLIDS	U	SUSPENDED SOLIDS		THORIUM	CESIUM
			(COLONY/ML)	(COLONY/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
*Y45	75	4				5.0		-0.001				.002			.040
	10							.010				-0.001			.003
	76	5				5.8									.010
	10							.020							
	77	11			-0.020	-1		.020	-1	913.0					
	78	11	-1.0		-0.020	-1	.04	-0.020	11.0	1000.0					
	79	5	-1.00	-1.0	-0.020		-0.05	-0.020	2.0						
	12					3.6		-0.020							
	80	6				7.0		-0.020							
	81	7				7.0		-0.020							
	82	5				8.0		-0.020							
	8					-1.0		5.100							
	12					38.0									
*Y46	74	11						.005							.020
	75	4				2.0		-0.001							.030
	10							.004							.002
	76	5				5.0									.008
	10							.003							
	78	5	-1.00		-0.020	-2.0		-0.100	-1	720.0					
	11				-0.020	50.0		-0.020	10.0	740.0					
	79	5	-1.00	-1.0	-0.020		-0.05	-0.030	-1.0	750.0					
	12					3.3		-0.020							
	80	6				3.0		-0.020							
	81	7				3.0		-0.020							
*Y51	74	11													.040
	75	4				20.0									4.000
	10					23.0					.005				.100
	76	10													.040
*Y52	77	11			-0.020	-1		.040	-1	6320.0					
	78	5			-0.020	523.0		-0.100	-1	340.0					
	11				-0.020	57.0		.030	6.0	3400.0					
	79	5	-1.00	-1.0	-0.020		-0.05	-0.020	-1.0						
	12					8.6		-0.020							
	80	6				10.0		-0.020							
*Y54	75	4				3.0		.040							.010
	10							.005							.010

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DUC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
WY54	76	10												
	76	5			-0.020	-2.0		-0.100	-0.1	1500.0				.040
	76	11			-0.020	50.0		-0.020	5.0	1200.0				
	76	5	-1.00	-1.0	-0.020		-0.05	-0.020	-1.0					
	76	12			-0.020	21.4		-0.020						
	80	5				7.0		-0.020						
WY61	75	4				7.0		.020						.010
	76	10				35.0		.005					-0.001	-0.001
	76	5				9.0		.005			-0.001			-0.001
	76	10												.003
WY62	75	4						.006						.020
	76	10						.008			.020			
	76	5				8.4		.007						.005
	76	10						.010						.005
	79	12				5.2		-0.020						
WY60	75	4						.006						.010
	77	11			-0.020	-0.1		-0.020	-0.1	1210.0	.001			
WY61	75	10				4.0		.010						.040
	76	5				35.0		.010						.001
	76	10						.010						-0.002
	78	5				1.0		-0.100	-0.1	1200.0				
	79	11		-1.0	-0.020	-0.1	.04	-0.020	11.0	1000.0				
	79	5	-1.00	-1.0	-0.020		-0.05	-0.020	-1.0					
	79	12				8.9		-0.020						
	81	7				4.0		-0.020						
	82	8				-1.0		.020						
WY91	74	11			.100			.003						.010
	75	4						.004						.050
	76	10				175.0		.020						.005
	76	5												.020
	76	10												-0.003
	79	5	-1.00	-1.0	-0.020		-0.05	-0.020	2.0					
	79	12						-0.020						
	80	5				14.0		.020						

NOTE: - INDICATES LESS THAN

CB-TRACT
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LOWER AQUIFERS

WELL	YR	MO	I	SR	ZR	Y	NR	GE	GA	FI	SC	M	CU	V	BE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WY01	74	11	.002				.010			.050	-.001		.010	.002	
	75	4	.004				.040		.003	.200	-.003		.010	.004	
	10		.008				.010	-.001	-.001	.010	-.001		-.001	.001	-.001
	76	10					.020	-.002	.001	.050	-.003		.004	-.001	.001
	77	11	.002												
	78	5											-.100	-.100	
	11												-.100	-.100	
	79	5													
	12												-.020		
	80	5											-.020		
WY09	75	4	2.000		.400	-.020	.400	.050	-.030	.030	.010			.100	-.001
WY10	76	5	.002	-.020	.001	-.001	.050		-.001	.300	-.002		.003	.002	
	10		.005	.010	.002	-.001	.040	.020	.007	.200	-.004		.020	.001	-.001
WY12	75	4	.000	.007	.080		.100		.002	.006	.002	.010	-.001	-.001	-.001
	10		.010		-.001		.006			.050	-.001		-.001	-.001	
	76	5	.000	-.010	.009		.030		.002	.200	-.002		-.006	-.006	
	10		.000	-.010	.010	-.020	.010	-.020	.010	.080	-.010	-.020	-.010	-.006	
	77	11													
	78	5											-.100	-.100	
	11												-.100	-.100	
	79	5													
	12												-.020		
	80	5											.090		
WY17	76	5	.200	.002	.008		.020		-.001	.030	-.002		-.002	.007	
	10		.050		.003		.010		-.004	.200	-.008		.002	-.001	-.001
	77	11													
	78	5											-.100	-.100	
	11												-.100	-.100	
	79	5													
	12														
	80	5											.020		
													-.020		
WY18	75	4	2.000		.300	-.030	.400	.020	-.060	1.000	-.008	.040	-.020	.030	.001
	9	2.000		.040	.300	-.003	.300	-.040	-.030	.100	-.010		-.008	-.040	.001
WY45	74	11	.006	.030	.004		.100		.002	.080	.002		.006	.003	-.001
	75	4	.006	.006	-.001	-.001	.040	.002	-.001	.080	-.001	.020	.004	-.001	

NOTE: - INDICATES LESS THAN

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LOWER AQUIFERS

WELL	YR	MO	I	SB	ZR	Y	RB	GE	GA	TI	SC	M	CU	V	ME
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WY45	75	10	.003	-.001			.010	-.001		.010	-.001	.004	-.001	-.001	
	76	5													
	77	10	.002	.040	.003		.040		-.003	.010	-.007		-.009	.001	
	78	11											-.100	-.100	
	79	5											-.020		
WY46	80	6											-.020		
	81	7											-.020		
	82	5													
	83	5													
	84	12											-.020		
WY47	74	11	.010				.050			.100	.003		.003	.002	.002
	75	4	.003	.002	.010	-.001	.020		-.001	.030	.002	.050	.001	.001	
	76	5	-.001				.009			.090	-.001		-.001		
	77	10	.002		.002		.007		-.003	.030	-.001		-.007	-.001	
	78	5											-.100	-.100	
WY48	79	5											-.100	-.100	
	80	6											-.020		
	81	7											-.020		
	82	5											-.020		
	83	5											-.020		
WY49	74	11	.500	.005	.900	.030	.040	.050	.020	.200	.010		.030	.020	.002
	75	4	3.000	.080	.600	-.010	.900		-.030	.300	-.007	.020	-.009	.100	
	76	10	2.000		.200	-.008	.040	-.007	-.010	.200	-.004		.020	-.050	-.001
	77	11	.080	-.010	.100	-.030	.200		-.007	.100	.010		-.020	.030	.001
	78	5											-.100	-.100	
WY50	79	5											-.100	-.100	
	80	6											-.020		
	81	7											-.020		
	82	5											-.020		
	83	5											-.020		
WY51	75	4	.020	.004		.010	.050		-.001	.030	.004	.009	-.001	.002	
	76	10	.006		.009		.020			.060	-.002		-.001	.002	
	77	11					.050			.030			-.001	.002	
	78	5											-.001	.002	
	79	5											-.001	.002	

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	I	SB	ZK	Y	HB	DE	GA	TI	SC	M	CU	V	HE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WY54	78	11											-.100	-.100	
	79	5											.020		
		12											-.020		
	80	6													
WY61	75	4	.020	.006	.002	.010	.050	-.003	.001	.050	.006		.001	.002	
	10		.040				.050		-.001	.020	-.001	.006	.001	.002	
	76	5	.002	.004			.010			.010	-.001		.001	.001	
	10		.001		-.001		.009	-.001	.001	1.000	-.004		.002	.001	.001
WY62	75	4	.020	.002			.040		-.001	.050	.003		.001	.001	
	10		.004				.020			.040	-.001		.001	.001	
	76	5	.010	-.004	-.003		.040		-.003	.040	-.002		.005	.002	
	10		.002		.002		.005		.002	.030	-.005		.006	.001	
	79	12											-.020		
WY60	75	4	.003		.002	-.001	.006		.002	.010	.002	.010		.001	
	77	11													
WY51	75	10	.001	-.001	.001	-.001	.040		.001	.400	-.001	-.002	.002	.001	.001
	76	5	-.001		-.002		.010			.300	-.004		.001	.001	
	10		.001		.007		.010	-.002	.002	.020	-.003		.004	.001	.001
	78	5											.100	.100	
	79	5											.100	.100	
	12														
	81	7											-.020		
	82	8													
WY91	74	11	.010	.009			.050		.003	.100	.002	.010	.002	.002	.001
	75	4	.100	.010	.005		.010		.002	.300	.002	.008	.002	.004	
	10		.003		-.001		.010	-.001		.010	-.001		.001	.001	
	76	5	.008	.004	.004	.001	.050		.003	.040	-.003		.009	.003	.003
	10		.003	-.001	.006		.006		.001	.040	-.002		.003	.003	.001
	79	5													
	12												-.020		
	80	5											.100		

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACU3)	MO-ALKALINITY (MG/L CACU3)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-226 (PCI/L)
WY01	74	11	-0.1						4.0			
	75	4	-0.1						18.0			
		10	-0.1						8.0			
	76	10							19.0			
	77	11		-0.100					3.0			
	78	5	-0.1	-0.100						8.0		
	11		-0.1	-0.100					.6	6.0		
	79	5							6.0	72.0		.4
	12											
	80	5										
WY09	75	4	-0.1						320.0			
WY10	76	5							9.9	15.0		
	10									6.0		
WY12	75	4	-0.1						23.0			
	10		-0.1						13.0			
	76	5										
	10								33.0			
	77	11		-0.100					.7			
	78	5	-0.1	-0.100								
	11		-0.1	-0.100								
	79	5							7.6	5.0		
	12								3.7	1.0		
	80	5										
WY17	76	5										
	10								17.0	2.0		
	77	11		-0.100					1.0			
	78	5	-0.1	-0.100					.4	42.0		2.1
	11		-0.1	-0.100					9.8	3.0		.6
	79	5							4.5	43.0		
	12								3.3	3.0		
	80	5										
WY18	75	4	-0.1						3.0			
	9		-0.1						20.0			
WY45	74	11	-0.1						4.0	41.0		

NOTE: - INDICATES LESS THAN

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QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	UM (MG/L)	CH (MG/L)	P-ALKALINITY		SCN (MG/L)	TURBIDITY (MG/L)	TOTAL		MAIUM-226 (PCI/L)	MAIUM-228 (PCI/L)
					MG/L CACU3)	MG/L CACU3)			ALPHA (PCI/L)	BETA (PCI/L)		
WY45	75	4	-.1						10.0			
		10	-.1						9.0			
	76	5										
		10							18.0	33.0		
	77	11		-.100								
WY46	78	11	-.1	-.100					1.2	2.0		
	79	5							11.0	3.0		
		12							28.0	148.0	3.0	
	80	6							10.3	21.0		
	81	7										
WY47	82	5					-.10					
		8										
		12							2.0	12.0		
	74	11	-.1						2.0			
	75	4	-.1						7.0			
WY48		10	-.1						10.0			
	76	5										
		10										
	78	5	-.1	-.100					8.5	24.0		
	79	5	-.1	-.100					3.5	17.0		
WY49		11	-.1						5.2			
	79	5							6.7	3.0		
		12							24.0	63.0	2.2	
	80	6							90.0	97.0		
	81	7					-.10					
WY50	74	11	-.1						43.0	390.0		
	75	4	-.1						460.0			
		10	-.1						36.0			
	76	10		-.100						70.0		
	77	11		-.100								
WY51	78	5	-.1	-.100								
		11	-.1	-.100					.4	52.0	2.0	
	79	5							7.0			
		12							5.3	22.0		
	80	6										
WY52	75	4	-.1						8.0			
		10	-.1						7.0			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER AQUIFERS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY MU-ALKALINITY		SCN (MG/L)	TURBIDITY (MG/L)	TOTAL		MADIUM-226 (PCI/L)	MADIUM-228 (PCI/L)
					(MG/L CACU3)	(MG/L CACU3)			ALPHA (PCI/L)	BETA (PCI/L)		
WY54	76	10							6.0	16.0		
	78	5	-0.1	-0.100					1.0	20.0		
	79	5	-0.1	-0.100					1.5	3.0		
	80	5							2.5	15.0		
WY61	75	4	-0.1						4.0	12.0		
	76	5	-0.1						16.0	4.0		
	76	10							18.0	33.0		
	76	10							6.2			
WY62	75	4	-0.1						6.0			
	76	5	-0.1						3.0			
	76	10							1.3			
	79	12							4.4	2.0		
WY80	75	4	-0.1						4.5			
	77	11		-0.100					3.0			
	78	5										
	79	5										
WY81	75	10							4.0	11.0		
	76	5							6.6	9.0		
	78	5	-0.1	-0.100					2.0	9.0		
	79	5	-0.1	-0.100					2.3	1.0		
WY91	74	11	-0.1						6.0	9.0		
	75	4	-0.1						7.0	6.0		
	76	5	-0.1						4.0	3.0		
	79	5							6.0	34.0		
WY91	74	11	-0.1						8.4	1.0		
	75	4	-0.1						7.3			
	76	5	-0.1									
	79	5										
WY91	74	11	-0.1									
	75	4	-0.1									
	76	5	-0.1									
	79	5										
WY91	74	11	-0.1									
	75	4	-0.1									
	76	5	-0.1									
	79	5										

NOTE: - INDICATES LESS THAN

CB-TRACT
 QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
 LOWER PARACHUTE CREEK
 LPC3 - WG LPC4 - WH

WELL	YR	MO	PH	UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
-----	---	---	---	---	-----	-----	-----
WG10	80	1					
		6	7.3		1460.0	13.5	.5
WG12	81	7	8.1		4690.0	23.0	.6
	82	11	8.4		4640.0	8.5	
WG17	81	7	11.2		5620.0	25.0	2.5
WG18	81	7	7.6		1390.0	24.0	1.0
WG20	81	7	8.8		2830.0	25.0	3.1
	82	9	9.5		2720.0	12.0	
WG21	81	7	9.0		1460.0	20.0	4.3
WG41	81	7	9.0		1183.0	19.0	1.0
WG51	81	7	10.4		2520.0	18.0	1.5
WG52	81	7	7.9		1690.0	22.0	1.6
WG61	81	7	8.0		1090.0	20.0	2.4
WG91	81	7	8.0		2600.0	24.0	5.5
WH21	81	7	8.9		850.0	21.0	3.3

C&I TRACT
 QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
 LOWER PARACHUTE CREEK
 LPC3 - MG LPC4 - MM

WELL	YR	MU	TOTAL ALK		AMMONIA		AS	BA	HCO ₃		CO ₃	BK	HARDNESS		NA	MG	CA
			(MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)	(MG/L)		(MG/L)	(MG/L)	(MG/L)			
			ALK	AL	AS N	AS	BA	HCO ₃	CO ₃	HARDNESS	NA	MG	CA				
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
M610	80	1	410.0	-100	.500	.020	-.50	410.0	-1.0	-100	320.0	190.0	49.0	46.0			
		6	480.0	-100	.500	-.020	-.50	390.0	90.0	-100	410.0	240.0	65.0	56.0			
M612	81	7	2800.0	-100	2.700	.020	-.50	2000.0	800.0	-100	34.0	1600.0	5.1	5.1			
		82	2700.0	-100	.600	-.020	.50	2600.0	20.0	-100	23.0	2000.0	5.5	-5.5			
M617	81	7	640.0	-100	3.800	-.020	2.30	-1.0	640.0	-100	620.0	700.0	-5.5	250.0			
M618	81	7	520.0	-100	1.100	-.020	-.50	450.0	68.0	-100	410.0	200.0	67.0	52.0			
M620	81	7	1600.0	-100	1.500	-.020	-.50	1200.0	380.0	-100	160.0	830.0	3.2	5.8			
		82	1100.0	-100	-.030	-.020	-.50	1000.0	100.0	-100	10.0	770.0	1.8	1.0			
M621	81	7	740.0	-100	1.400	.030	-.50	440.0	300.0	-100	34.0	370.0	4.3	6.5			
M641	81	7	660.0	-100	1.400	-.020	-.50	440.0	220.0	-100	24.0	310.0	3.4	3.9			
M651	81	7	930.0	.200	2.800	.100	-.50	-1.0	900.0	-100	-10.0	480.0	-5.5	1.2			
M652	81	7	810.0	-100	1.800	-.020	-.50	740.0	68.0	-100	190.0	390.0	30.0	26.0			
M661	81	7	690.0	-100	1.100	-.020	-.50	590.0	100.0	-100	25.0	310.0	3.1	4.8			
M691	81	7	1300.0	-100	3.200	-.020	-.50	1200.0	92.0	-100	26.0	680.0	3.0	5.8			
Mn21	81	7	410.0	-100	1.000	-.020	-.50	230.0	180.0	-100	36.0	200.0	5.0	6.1			

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LUXEM PARACHUTE CREEK
LPC3 - MG LPC4 - MH

WELL	YR	MO	MO	NO3	UOIL AND GREASE	PHEN	K	B	TOTAL DISS SOLIDS	SR	SO4	CL	COU	CH	CU
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
M610	80	1	.050	7.20	8.0	.0130	1.1	.10	970.0	11.0	460.0	30.0	1.0	-.020	-.020
	6		.020	2.70	10.0	-.0010	3.3	.10	1000.0	4.8	260.0	34.0	4.0	.020	-.020
M612	81	7	.100	-.50	-10.0	.0050	20.0	5.70	3200.0	1.4	7.0	140.0	80.0	-.020	-.020
	11		.070	-.50	-10.0	-.0010	8.7	9.10	3200.0	-.5	5.8	160.0	-50.0	-.020	.020
M617	81	7	.300	-.50	9.0	.0400	220.0	.40	1600.0	12.0	15.0	1300.0	147.0	-.020	.040
M618	81	7	.040	-.50	9.0	.0160	3.4	.20	950.0	9.7	260.0	52.0	93.0	-.020	.030
M620	81	7	.020	-.50	43.0	.0020	10.0	1.60	1900.0	-.5	13.0	100.0	149.0	-.020	.020
	82	9	.040	-.50	-10.0	-.0400	7.6	1.50	1700.0	.5	-5.0	69.0	-50.0	-.020	-.020
M621	81	7	.100	-.50	-10.0	.0290	11.0	.60	860.0	1.2	24.0	41.0	-50.0	-.020	-.020
M641	81	7	.060	-.50	-10.0	.0190	8.8	.80	750.0	1.4	-5.0	11.0	64.0	-.020	-.020
M651	81	7	.300	-.50	-10.0	.0220	160.0	1.20	1500.0	-.5	73.0	210.0	-50.0	-.020	.020
M652	81	7	.010	-.50	-10.0	.0160	6.1	2.60	1200.0	2.5	150.0	59.0	-50.0	-.020	-.020
M661	81	7	-.010	-.50	-10.0	.0030	5.0	.80	770.0	2.0	34.0	5.0	-50.0	-.020	-.020
M691	81	7	.030	-.50	-10.0	-.0010	8.4	3.70	1600.0	1.4	7.0	69.0	-50.0	-.020	-.020
M721	81	7	.030	-.50	-10.0	.0490	10.0	.30	500.0	.9	23.0	30.0	-50.0	-.020	-.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK
LPC3 - MG
LPC4 - MH

WELL	YN	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	MG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
WG10	80	1				.90	-.00020	-.010	-.010	.020	-.020	.05	.050	1.20	.60
		6				.60	-.00020	-.010	-.010	.010	.020	.05	.060	.70	2.80
WG12	81	7	9.0			3.40	-.00020	-.010	-.010	-.020	-.020	.60	.070	.10	32.00
	82	11	17.0		-.01		-.00020	-.010	-.010	.020	.100	.60	-.020	.20	38.00
WG17	81	7	-1.0			3.60	-.00020	-.010	-.010	-.020	-.020	1.20	-.020	.06	1.80
WG18	81	7	12.0			1.40	-.00020	-.010	-.010	.020	-.020	.09	.200	.20	4.80
WG20	81	7	12.0			4.30	-.00020	-.010	-.010	.030	-.020	.20	.030	.10	28.00
	82	9	-1.0		1.40	1.80	-.00020	-.010	-.010	.030	.070	.10	.020	.40	21.00
WG21	81	7	8.8			1.60	-.00020	-.010	-.010	-.020	-.020	.05	-.020	.20	16.00
WG41	81	7				1.40	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	20.00
WG51	81	7	2.2			2.80	-.00020	-.010	-.010	-.020	-.020	.10	-.020	.10	21.00
WG52	81	7	16.0			2.20	-.00020	-.010	-.010	-.020	-.020	.50	.060	-.02	17.00
WG61	81	7	15.0			1.10	-.00020	-.010	-.010	-.020	-.020	.06	.070	.06	.20
WG91	81	7	15.0			3.40	-.00020	-.010	-.010	-.020	-.020	.60	.060	.04	24.00
WG21	81	7	8.5			1.60	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	.30	14.00

NOTE: - INDICATES LESS THAN

CR-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE CREEK

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DUC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)

#610	80	1				12.0		.030					
		6						-.020					
#612	81	7				14.0		.030					
	82	11				-1.0							
#617	81	7				10.0		.030					
#618	81	7				38.0		.030					
#620	81	7				0.0		.030					
	82	9				0.0							
#621	81	7				4.0		-.020					
#641	81	7				14.0		-.020					
#651	81	7				31.0		.030					
#652	81	7				14.0		-.020					
#661	81	7				14.0		-.020					
#691	81	7				30.0		.030					
#721	81	7				14.0		-.020					

NOTE: - INDICATES LESS THAN

CONTRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LOWER PARACHUTE GREEN

WELL	YR	MO	I	SB	7H	Y	MB	GE	GA	TI	SC	M	CU	V	DE
				(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WG16	80	1													
			6												
WG12	81	7													
	02	11													
WG17	81	7													
WG18	81	7													
WG20	81	7													
	82	9													
WG21	81	7													
WG41	81	7													
WG51	81	7													
WG52	81	7													
WG61	81	7													
WG91	81	7													
WG21	81	7													

-.020
-.020

NOTE: - INDICATES LESS THAN

CO-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
LUNEM PARACHUTE CREEK

WELL	YR	MU	UM (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L)		SCN (MG/L)	TURBIDITY (MG/L)	TOTAL		RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
					(MG/L)	(CACUS)			ALPHA (PCI/L)	BETA (PCI/L)		
W010	80	1	6						3.0			
W012	81	7					-0.10		3.0	10.0		
	82	11										
W017	81	7					0.20					
W018	81	7					-0.10					
W020	81	7					-0.10					
	82	9										
W021	81	7					-0.10		3.0	4.0		
W041	81	7					-0.10					
W051	81	7					0.20					
W052	81	7					-0.10		1.0			
W001	81	7					-0.10		-3.0	12.0		
W091	81	7					-0.10		11.0	5.0		
W121	81	7					-0.10		-2.0	10.0		

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER FIELD MEASUREMENTS
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)
----	--	--	-----	-----	-----	-----	-----
WW12	79	4					
		9					
		10					
	80	1					
		2					
		3	9.2	940.0	10.0	8.0	
		4	9.1	700.0	13.5	4.0	
		5					
		6	9.3	760.0	21.5	4.9	
			9.3	760.0	21.5	4.9	
		7	9.0	760.0	19.0	6.2	
			9.0	760.0	19.0	6.2	
		8	9.1	760.0	17.0	9.5	
		9	8.9	870.0	15.0	6.1	
		10	8.6	860.0	12.0	5.5	
			8.6	860.0	12.0	5.5	
		11	9.3	810.0	10.5	5.7	
			9.3	810.0	10.5	5.7	
WW13	79	11					
		12	7.8	800.0	12.5	4.5	
	80	1					
		2					
		3					
			7.6	1380.0	11.0	6.7	
		4	7.3	1200.0	15.0	4.7	
		5	8.3	1590.0	12.0	4.8	
		6	7.4	1400.0	24.2	4.5	
		7	7.5	1290.0	20.0	7.2	
		8	7.3	1260.0	17.0	5.8	
			7.3	1280.0	17.0	8.8	
		9	7.1	1440.0	18.0	4.4	
		10	7.8	1410.0	15.0	4.8	
		11	7.0	1480.0	15.0	5.4	
			7.0	1480.0	16.0	5.4	
	81	6	7.9	1390.0		5.1	
		8	8.3	1300.0	18.0	3.5	
			8.2	1430.0		2.8	
		9	8.0	1370.0		2.9	
		10	8.7	1240.0		3.0	
		12	8.2	1460.0	15.0		

CB-TRAC I
QUARTER FIELD MEASUREMENTS
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	PH PH UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)
---	---	---	---	---	---	---	---
WW13	81	12	8.8	1310.0	12.0	3.1	.3
		3	7.4	1190.0			.2
		6	7.5	1420.0			
		8	7.6	2280.0	13.0		
NW22	81					5.1	
						3.5	
		6	9.3	1450.0	18.0	4.0	
		8	9.3	1320.0		3.4	
			9.8	1380.0		2.4	
		9	9.3	1420.0		3.5	1.1
		10	9.2	1500.0	13.0	4.8	
		12	8.9	1670.0	10.0		
	82		6.9	1860.0			
		3	5.6	1900.0			.9
		6	7.5	1050.0			.2
		8	8.4	2960.0	11.0		.2
		9	7.4	1390.0	11.0		.3
		10	7.3	2330.0	11.0		.3
		11	7.4	2400.0	11.0		
		12	7.5	2200.0		4.7	
NW32	81	10	7.6	1170.0		5.1	
		12					
	82		7.2	1180.0	10.0		
				1068.0			
		3	7.0	1010.0			.8
		6	7.2	2360.0	9.5		
		9	8.2				

CB-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MU	TOTAL ALK		AMMONIA		AS	BA	HCO3	CO3	BR	HARDNESS	NA	MG	CA
			(MG/L)	(CACU3)	AS N	(MG/L)									
W-12	79	4	590.0	-1.100	.000	-0.020	-0.50	540.0	50.0	-1.100	550.0	220.0	90.0	90.0	68.0
		9	290.0	-1.100	4.100	-0.020	-0.50	200.0	90.0	-1.100	210.0	180.0	42.0	11.0	11.0
		10	600.0	-1.100	.200	-0.020	-0.50	600.0	-1.0	-1.100	860.0	170.0	120.0	100.0	100.0
		60	600.0	-1.100	.200	-0.020	-0.50	600.0	-1.0	-1.100	860.0	170.0	120.0	100.0	100.0
		1	90.0	-1.100	11.000	-0.020	-0.50	68.0	22.0	-1.100	86.0	120.0	13.0	14.0	14.0
		2	90.0	-1.100	6.100	-0.020	.50	-1.0	60.0	.400	95.0	120.0	14.0	15.0	15.0
		3	90.0	-1.100	14.000	-0.020	-0.50	-1.0	70.0	-1.100	100.0	130.0	21.0	29.0	29.0
		4	110.0	-1.100	13.000	-0.020	-0.50	18.0	92.0	-1.100	160.0	120.0	13.0	13.0	13.0
		5	98.0	-1.100	13.000	-0.020	-0.50	-1.0	64.0	-1.100	86.0	130.0	11.0	15.0	15.0
		6	100.0	-1.100	13.000	-0.020	-0.50	-1.0	60.0	-1.100	83.0	130.0	11.0	15.0	15.0
		7	110.0	-1.100	9.400	-0.020	-0.50	-1.0	98.0	-1.100	75.0	120.0	14.0	16.0	16.0
		8	110.0	-1.100	9.400	-0.020	-0.50	-1.0	98.0	-1.100	75.0	120.0	14.0	16.0	16.0
		9	110.0	-1.100	8.900	-0.020	-0.50	96.0	16.0	-1.100	88.0	120.0	14.0	12.0	12.0
		10	110.0	-1.100	9.500	-0.020	-0.50	-1.0	100.0	-1.100	93.0	130.0	14.0	14.0	14.0
		11	110.0	-1.100	13.000	-0.020	-0.50	-1.0	100.0	-1.100	150.0	120.0	18.0	11.0	11.0
		11	110.0	-1.100	10.000	-0.020	-0.50	-1.0	94.0	-1.100	130.0	130.0	16.0	11.0	11.0
W-13	79	11	370.0	-1.100	-0.040	.030	-0.50	370.0	-1.0	-1.100	400.0	170.0	64.0	55.0	55.0
		12	380.0	-1.100	.200	-0.020	-0.50	380.0	-1.0	-1.100	390.0	180.0	60.0	48.0	48.0
		80	380.0	-1.100	.300	.020	.50	380.0	-1.0	-1.100	430.0	180.0	67.0	60.0	60.0
		2	400.0	-1.100	2.900	-0.020	-0.50	320.0	80.0	-1.100	180.0	180.0	70.0	52.0	52.0
		3	430.0	-1.100	1.300	-0.020	-0.50	350.0	80.0	-1.100	180.0	180.0	73.0	72.0	72.0
		4	430.0	-1.100	.500	.020	-0.50	430.0	-1.0	-1.100	440.0	190.0	72.0	65.0	65.0
		5	390.0	-1.100	.300	.020	-0.50	370.0	20.0	-1.100	280.0	180.0	70.0	59.0	59.0
		6	420.0	-1.100	.200	-0.020	-0.50	420.0	-1.0	-1.100	450.0	180.0	64.0	57.0	57.0
		7	400.0	-1.100	.300	-0.020	-0.50	400.0	-1.0	-1.100	450.0	180.0	69.0	67.0	67.0
		8	420.0	-1.100	.030	-0.020	-0.50	420.0	-1.0	-1.100	450.0	180.0	70.0	65.0	65.0
		9	430.0	-1.100	.060	-0.020	-0.50	430.0	-1.0	-1.100	460.0	190.0	67.0	75.0	75.0
		10	420.0	-1.100	.500	-0.020	-0.50	420.0	-1.0	-1.100	650.0	190.0	78.0	66.0	66.0
		11	400.0	-1.100	.050	-0.020	-0.50	380.0	20.0	-1.100	650.0	190.0	78.0	66.0	66.0
		81	420.0	-1.100	1.100	-0.020	-0.50	340.0	80.0	-1.100	70.0	210.0	70.0	64.0	64.0
		8	370.0	-1.100	1.200	-0.020	-0.50	340.0	80.0	-1.100	82.0	210.0	73.0	43.0	43.0

NOTE: - INDICATES LESS THAN

CH-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO ₃)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCUS (MG/L CACO ₃)	CU ₃ (MG/L CACO ₃)	BH (MG/L)	HARDNESS (MG/L CACO ₃)	NA (MG/L)	MG (MG/L)	LA (MG/L)
W13	81	8	390.0		1.000	-0.020		250.0	140.0			210.0	77.0	24.0
		9	430.0		.600	-0.020		330.0	100.0			210.0	90.0	43.0
		10	350.0		.600	-0.020		230.0	120.0			200.0	65.0	9.0
		12	350.0		6.800	-0.020						210.0	69.0	11.0
82	3		348.0		4.200	-0.020		320.0	28.0			230.0	63.0	9.8
			350.0	-0.100	-0.200	-0.020	-0.50	310.0	40.0		300.0	230.0	68.0	6.7
			520.0	-0.100	.300	-0.020	-0.50	460.0	30.0		540.0	230.0	94.0	61.0
		8												
W22	81	8	84.0		27.000	-0.020		-1.0	54.0			170.0	23.0	98.0
		8	82.0		29.000	-0.020		-1.0	52.0			170.0	24.0	110.0
			87.0		15.000	-0.020		-1.0	44.0			180.0	20.0	92.0
		9	76.0		24.000	-0.020		-1.0	66.0			170.0	26.0	8.7
		10	88.0		21.000	-0.020		-1.0	68.0			180.0	39.0	92.0
		12	200.0		26.000	-0.020		40.0	160.0			190.0	54.0	94.0
			64.0		19.000	-0.020		52.0	12.0			220.0	73.0	120.0
		82	3	61.0	-0.100	-0.200	-0.020	-0.50	61.0	-1.0	700.0	240.0	91.0	130.0
W32	81	10	320.0		14.000	-0.020	-0.50	44.0	2.0		700.0	250.0	80.0	150.0
		12	300.0		.070	-0.020		320.0	-1.0			120.0	59.0	85.0
			304.0		.330	-0.020		300.0				120.0	58.0	80.0
		82	3	300.0	-0.200	-0.020	-0.50	304.0	20.0	.500	440.0	140.0	55.0	86.0
		6	380.0	-0.100	-0.200	-0.020	-0.50	260.0	2.0	.300	390.0	130.0	54.0	86.0
					.700	-0.020		370.0				130.0	50.0	75.0
		9												

NOTE: - INDICATES LESS THAN

CD-IRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MU	MO (MG/L)	NO3 (MG/L)	OIL AND GREASE (MG/L)		K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SU4 (MG/L)	CL (MG/L)	CUD (MG/L)	CR (MG/L)	CU (MG/L)	
					PHENOLS (MG/L)											
W12	79	4	-.020	24.00	4.00		2.0	.20		3.0	390.0	13.0	50.0	-.020	-.020	
		9	-.020	55.00	7.6		7.5		900.0	.9	350.0	24.0	30.0	-.020	-.020	
			-.020	55.00	7.6		7.5	-.10	900.0	.9	350.0	24.0	30.0	-.020	-.020	
		10	-.020	7.20	4.0		6.4	.10	1500.0	11.0	600.0	1000.0	20.0	-.020	-.020	
	80		-.020	7.20	4.0		6.4	.10	1500.0	11.0	600.0	1000.0	20.0	-.020	-.020	
		1	-.020	50.00	12.0		2.3	-.10	500.0	1.6	320.0	22.0	31.0	-.020	-.020	
		2	-.020	27.00	-1.0		3.5	-.10	520.0	1.0	380.0	24.0	33.0	.010	.020	
		3		-.10	5.0				530.0		290.0	52.0	19.0			
		4	.010	-.10	11.0		4.2	-.10	550.0	1.1	280.0	56.0	39.0	-.020	-.020	
		5	.020	-.10	16.0		4.4	-.10	520.0	.6	270.0	60.0	32.0	-.020	-.020	
		6	.010	-.50	4.0		6.8	.10	560.0	.8	270.0	16.0	40.0	-.020	.040	
	7		.010	-.50	4.0		6.8	.10	560.0	.8	270.0	16.0	40.0	-.020	-.040	
			.010	-.50	5.0		2.8	-.10	530.0	1.4	200.0	14.0	40.0	-.020	-.020	
			.010	-.50	5.0		2.8	-.10	530.0	1.4	200.0	14.0	40.0	-.020	-.020	
		8	.010	-.50	6.0		3.6	.10	490.0	1.9	270.0	13.0	32.0	-.020	-.020	
	9		-.010	-.50	9.0		4.9	.20	530.0	1.8	210.0	15.0	35.0	-.020	-.020	
		10	.020	-.50	8.0		4.3	.10	440.0	.5	260.0	15.0	31.0	-.020	-.020	
		11	.010	-.50	15.0		3.5		460.0		220.0	15.0	24.0			
		W13	79	11												
				12	.100	26.00	3.0		1.9	.10	1000.0	6.4	590.0	7.0	7.0	-.020	-.020
			80	1	.070	28.00	3.0		2.1	.20	1000.0	6.6	500.0	16.0	2.0	-.020	-.020
2	.060			89.00	-1.0		3.2	.10	1000.0	3.8	480.0	20.0	11.0	.020	-.010	
3	.040			34.00	3.0		2.4		1000.0		380.0	22.0	54.0			
4	.060			36.00	2.0		1.9		1000.0		420.0	37.0	2.0			
	4	.030	3.90	1.0		3.2	.10	1000.0	4.9	420.0	47.0	3.0	-.020	-.020		
	5	.040	-.10	14.0		3.6	-.10	1000.0	2.8	400.0	81.0	-1.0	-.020	-.020		
	6	.040	-.50	10.0		4.2	-.10	1000.0	3.9	350.0	9.5	24.0	-.020	-.020		
	7	.030	-.50	1.0		1.7	-.10	1000.0	5.7	320.0	9.0	16.0	-.020	-.020		
	8	.040	-.50	4.0		2.2		1000.0		410.0	6.8	14.0				
	9	.060	-.50	1.0		3.9		1000.0		400.0	9.9	8.0				
	10	.100	1.90	-1.0		3.2	.20	980.0	2.4	500.0	10.0	-1.0	-.020	.020		
	11															
81	6	.200	-.50	10.0		2.5		940.0		360.0	11.0	4.0				
	8		-.50			9.2	.10	970.0			11.0					
			-.50			3.0	.20	900.0			13.0					

NOTE: - INDICATES LESS THAN

C8-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	MO (MG/L)	OIL AND GREASE (MG/L)		PHENOLS (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS (MG/L)		SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CM (MG/L)	CU (MG/L)
				NO3 (MG/L)	NU3 (MG/L)				SOLIDS	SOLIDS						
W13	81	8		-.50		2.9	.10	920.0					12.0			
		9		-.50		3.5	-.10	1000.0					9.3			
		10		-.50		3.6	-.10	800.0					12.0			
		12		.70		4.7	-.10	670.0					9.1			
82	3		-.010	.50	-10.0	.0630	5.0	-.10	800.0				13.0			
		8	-.010	.50	-10.0	.0630	4.4	-.10	840.0	-.5	460.0	11.0	-100.0	-.020	-.020	
		8	-.010	-.50	-10.0	.0020	4.0	-.10	1200.0	-.5	430.0	7.9	-50.0	-.020	-.020	
W22	81	8		-.50		30.0	.10	1000.0					52.0			
		8		-.50		17.0	.10	1000.0					51.0			
				-.50		19.0	.10	940.0					55.0			
		9		-.50		16.0	.10	990.0					46.0			
		10		-.50		24.0	.20	1100.0					43.0			
		12		-.50		23.0	.30	960.0					42.0			
				-.50		25.0	-.10	1400.0					40.0			
		82	-.010	-.50	-10.0	.2000	36.0	-.10	1700.0	4.3	1800.0	28.0	150.0	-.020	.040	
W32	81	8	-.010	-.50	-1.0	.0700	41.0	-.10	1800.0	-.5	1200.0	36.0	710.0	-.020	.100	
		9														
		10														
		11														
		12														
		10		20.00		1.9	-.10	760.0				47.0				
		12		22.00		1.6	-.10	540.0				46.0				
				28.00		1.8	-.10	800.0				55.0				
82	3		-.010	29.00	-10.0	.0530	2.1	.10	800.0	2.4	260.0	51.0	-10.0	-.020	.020	
		8	-.010	21.00	-10.0	-.0010	1.8	-.10	810.0	-.5	250.0	47.0	-50.0	-.020	-.020	
		9														

NOTE: - INDICATES LESS THAN

CR-TRACT
QUANTILE WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	SIU2 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
W12	79	4				4.00	-.02000	-.020	-.010	.200	-.020	-.02	.200	-.50	1.30
		5								-.020	-.020	.03	-.020	-.02	.80
		10					.00021		-.020	-.020	-.020	.03	-.020	-.02	.80
	80	1				12.00	-.00020		-.020	.500	-.040	.10	.100	8.40	3.00
		2				14.00	-.000100	-.002	-.010	.500	-.020	.10	.100	8.40	3.00
		3				14.00			-.010	.010	-.020	-.05	.010	-.02	1.00
		4				16.00				-.010	-.020	-.05	-.020	.02	.80
		5				15.00				-.010	-.020	-.05	-.020	.02	.80
		6				14.00				.020	-.020	-.05	-.020	.20	1.30
		7				14.00				.020	-.020	-.05	-.020	.20	1.30
		8				12.00				-.020	-.020	-.05	-.020	-.02	.40
		9				13.00				-.020	-.020	-.05	-.030	-.02	1.30
		10				12.00				-.020	-.020	-.05	-.020	-.02	1.10
		11	-1.0			11.00				-.020	-.020	-.05	-.020	.03	.90
W13	79	11					-.02000	-.020	-.010	.050	.050	-.05	.040	-.02	.10
		12							-.020	.060	-.020	-.05	.040	.02	.10
		80	1			1.60	-.000100	-.002	-.010	.060	-.020	-.05	.070	.06	.20
	80	2				45.00									
		3	21.0			2.90									
		4	24.0			1.40									
		5				.70				.040	.020	-.05	.100	-.02	.20
		6				.40				.020	.020	-.05	.080	.02	-.10
		7	25.0			.30				.020	-.020	.05	.060	.06	.50
		8	24.0			.10				.020	-.020	.05	.100	-.02	.10
		9	24.0			.10									
		10	17.0			.30									
		11				.60				-.020	-.020	.06	-.200	.60	.20
81	8		13.0			.70									
	6		5.0			3.00							.200	.02	-.10
	6		2.5			2.90							.300	-.02	-.10
			3.5			1.10							.300	.02	-.10

NOTE: - INDICATES LESS THAN

CD-TRACT
QUARTER WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	NZ (MG/L)	PR (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
W13	81	9	8.2			.80							.200	.02	.10
	10	10	-1.0			.80							.260	.03	.10
	12	11.0				6.80							.300	.04	.10
		-1.0				4.80							.300	-.02	.10
82	3					4.30	-.00020	-.010	-.010	-.020	.030	.05	.200	.90	.10
	6					.40	-.00020	-.010	-.010	-.020	.020	.05	4.600	.13	.20
	8														
W22	81	6	-1.0			42.00							.020	4.20	1.50
	8	1.0				36.00							.030	3.60	1.50
		-1.0				26.00							-.020	3.20	1.40
	9					27.00							.030	3.80	1.40
	10	-1.0				35.00							.070	4.80	1.60
	12	-1.0				26.00							.200	4.90	1.10
82	3	-1.0				30.00							.200	5.00	.90
						36.00	-.00020	-.010	-.010	.020	.030	.20	.200	4.10	1.00
	6					27.00	-.00020	-.010	-.010	-.020	.020	.20	.200	3.00	.70
	8														
	9														
	10														
W32	81	10	20.0			.10							-.020	.02	.20
	12	19.0				.33							-.020	.03	.10
		19.0				.20							.020	.03	.10
	82	3				.80	-.00020	-.010	-.010	.300	.030	-.05	.060	.90	.20
6							-.00020	.010		.030	-.020	-.05	-.020	-.02	.10
	9	20.0		-.005											

NOTE: - INDICATES LESS THAN

CD-TRAC
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CU (MG/L)	DUC (MG/L)	LAS (MG/L)	U1 (MG/L)	SZ03 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM CESIUM (MG/L)
W12	79	4	-1.00	-1.0	-0.020		-0.05	-0.020	-1.0			40.0	
		9			-0.020			.020				340.0	
		10			-0.020			.020				340.0	
		80			-0.020			-0.020				35.0	
		1			-0.020	11.0		-0.020				35.0	
		2				10.0		.070					
		3				10.0							
		4				10.0		-0.020					
		5				10.0		-0.020					
		6				16.0		-0.020					
		7				10.0		-0.020					
		8				10.0		-0.020					
		9				11.0		-0.020					
		10				9.0		-0.020				14.0	
		11				11.0		-0.020					
		12				10.0		.020					
W13	79	11				48.0		.020					
		12				23.0		.020					
		80				10.0		.060					
		1				4.0		.020					
		2				-1.0		.020					
		3				2.0		-0.020					
		4				10.0		-0.020					
		5				14.0		-0.020					
		6				12.0		-0.020					
		7				-1.0		-0.020					
		8				-1.0		-0.020					
		9				2.0		.020					
		10				2.0		-0.020					
		11						.030					
		12				0.0							
		81				4.0							
		1				1.0							
		2				12.0							

NOTE: - INDICATES LESS THAN

CR-TMAGI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CU (MG/L)	DOC (MG/L)	LAS (MG/L)	NI (MG/L)	S2O3 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
W13	81	9				3.0								
		10				2.0								
		12				5.2								
82	8	3			-0.010	90.0		0.050						
		6			-0.010			0.020						
		8												
W22	81	6				30.0								
		8				40.0								
		9				25.0								
		10				44.0								
		12				41.0								
		12				39.0								
82	8	3			-0.100	37.0		0.200						
		6			-0.010			0.100						
		8												
		9												
		10												
		12												
W32	81	10				3.0								
		12				5.0								
		12				30.0								
		82				11.0		0.050						
		6				-1.0								
		9												

NOTE: - INDICATES LESS THAN

CONTRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	I	SR	ZK	Y	MB	GE	GA	TI	SC	M	CU	V	ME
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
W13	01	10													
		12													
	02	3													
		0													
		0													
W22	01	0													
		0													
		9													
		10													
		12													
	02	3													
		0													
		0													
		9													
		10													
		11													
		12													
W32	01	10													
		12													
	02	3													
		0													
		9													

NOTE: - INDICATES LESS THAN

CO-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	I	SB	ZK	Y	KB	GE	GA	TI	SC	M	CU	V	BE
			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
ww12	79	4													
			10												
	00	1													
		2													
		3													
		4													
		5													
		6													
		7													
		8													
		9													
		10													
		11													
ww13	79	11													
		12													
	00	1													
		2													
		3													
		4													
		5													
		6													
		7													
		8													
		9													
		10													
		11													
	01	0													
		0													
		1													

NOTE: - INDICATES LESS THAN

CR-TRACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POND SEEPAGE MONITORING WELLS

WELL	YR	MO	UM (MG/L)	CM (MG/L)	P-ALKALINITY (MG/L) CACU3	MU-ALKALINITY (MG/L) CACU3	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
***12	79	4							9.9	16.0		
		9										
		10										
	80	1										
		2										
		3										
		4										
		5										
		6	40.0									
		7	12.0									
		8	10.0									
		9	10.0									
		10	10.0									
		11										
***13	79	11							29.0	30.0		
		12										
	80	1										
		2										
		3										
		4										
		5										
		6										
		7										
		8										
		9										
		10										
		11										
	81	6										
		8										

-.10
-.10

NOTE: - INDICATES LESS THAN

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NOTE: - INDICATES LESS THAN

05-11-61
 WATER AND SEWAGE TREATMENT PLANT MEASUREMENTS
 WASTE DISCHARGE

DATE	TIME	NO.	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
05-11-61	01	7	1.2		
		8	0.2		
			0.0		
05-11-61	02	1			
		10			

CD-IMACI
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
NPDES DISCHARGE

WELL	Yr	MO	TOTAL ALK (MG/L)		AMMONIA AS N (MG/L)		AS (MG/L)		DA (MG/L)		MCO3 (MG/L)		CU3 (MG/L)		BR (MG/L)		HARDNESS (MG/L)		NA (MG/L)		MG (MG/L)		CA (MG/L)	
			AL	CA	AS	N	AS	DA	MCO3	CU3	BR	HARDNESS	NA	MG	CA									
V-LL	01	1	1100.0		400				790.0	330.0									520.0		5.2		6.7	
		2	1100.0		300				800.0	440.0									560.0		5.3		6.7	
		3	910.0		500				820.0	92.0									560.0		5.1		7.8	
V-LL	02	1	1400.0		1040			0.33	950.0	450.0	-0.100	230.0	540.0						540.0		4.3		5.2	
		2	1500.0		1000			-0.20	1300.0	200.0	-0.100	350.0	590.0						590.0		4.8		6.1	

NOTE: - INDICATES LESS THAN

COT-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
POES DISCHARGE

CELL	YR	MO	OIL AND				TOTAL								
			MU (MG/L)	NO3 (MG/L)	GREASE (MG/L)	PHENOLS (MG/L)	K (MG/L)	M (MG/L)	SOLIDS (MG/L)	SR (MG/L)	SO4 (MG/L)	CL (MG/L)	COD (MG/L)	CM (MG/L)	CU (MG/L)
1003	01	7		3.20			1.2	.90	1300.0		34.0	67.0			
		0		3.20			3.7	.80	1300.0		46.0	7.6			
				3.20			4.8	.70	1300.0		270.0	8.9			
1004	02	7	-0.020	1.00	-10.0	0.020	1.3	.50	1300.0	1.0	-5.0	8.0	-50.0	-0.020	-0.020
		10	-0.010	.50	-10.0	-0.0400	2.4	.70	1400.0	1.2	-5.0	9.0	-50.0	-0.020	-0.020

NOTE: - INDICATES LESS THAN

UN-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
PDES DISCHARGE

WELL	YR	MO	DATE	SIUC (MG/L)	CYAN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	NO (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
W003	01	1														19.00
																19.00
																19.00
W003	02	1	14.0	0.007												22.00
			10	-1.0												19.00

NOTE: - INDICATES LESS THAN

СВ-1841

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note: - 100 Cycles Less 10444

CB-IMACJ
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
UPDES DISCHARGE

WELL	YR	QU	OH	CH	P-ALKALINITY (MG/L)		MU-ALKALINITY (MG/L)		SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)		TOTAL BETA (PCI/L)		RADUUM-226 (PCI/L)	RADUUM-228 (PCI/L)
					CA	CO3	CA	CO3								
1003	01	1														

1003 02 1

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
INJECTION WELLS

WELL	YR	MO	PH	UNIT	SPECIFIC CONDUCTANCE (UMHOS/CM)	TEMPERATURE (DEG C)
----	---	---	----	-----	-----	-----
WI17	81	7	8.7		1170.0	12.0
WI18	80	8				
	82	3	8.4		1860.0	
		5	7.4		1761.0	
		6	8.5		1810.0	
WI19	81	7	8.4		1420.0	

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
INJECTION WELLS

WELL	YR	MO	DISSOLVED OXYGEN (MG/L)	FIELD FLUORIDE (MG/L)	FIELD SUSPENDED SOLIDS (MG/L)
----	--	--	-----	-----	-----
WI17	81	7			
WI18	80	8			
	82	3			
		5			
		6			
WI19	81	7			

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	MO	OIL AND		NO3	TOTAL DISS		PHENOLS	K	B	SOLIDS	SH	SO4	CL	COD	CR	CU
				MG/L)	MG/L)		MG/L)	MG/L)				MG/L)	MG/L)	MG/L)	MG/L)	MG/L)	MG/L)	MG/L)
W117	81	7	.020	-.50	-10.0	.0110	.60	730.0	1.2	5.0	6.3	-50.0	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
W118	80	8	.030	-.50	6.0	-.0010	.30	550.0	1.2	7.0	34.0	24.0	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
	82	3	-.010	-.50	3.0	.0500	.40	540.0	1.9	9.0	2.5	1.0	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
						-.0050		1400.0		310.0	8.5							
		5	-.010	2.20	-10.0	.0040	.80	1400.0	-.5	60.0	4.7	-50.0	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
		6	-.010	1.10	-10.0	-.0010	1.20	1400.0	-.5	75.0	7.8	-50.0	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
W119	81	7	.020	-.50	2.0	.0020	.60	780.0	.7	-5.0	6.9	24.0	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	SI02 (MG/L)	CN (MG/L)	TOTAL PHOSPHATE (MG/L)	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)
#117	81	7	16.0			1.10	-.00020	-.010	-.010	-.020	-.020	.07	-.020	.07	20.00
#118	80	8				.80	-.00020	-.010	-.010	-.020	-.020	-.05	-.020	-.02	17.00
	82	3				.60	-.00020	-.010	-.010	-.020	.020	-.05	.030	-.02	15.00
		5	12.0				-.00020	-.010		.020	.030	.05	-.020	.03	19.00
		6	14.0	-.005			-.00020	-.010		-.020	.050	.05	-.020	.03	25.00
#119	81	7	13.0			1.40	-.00020	-.010	-.010	.030	-.020	-.05	-.020	-.02	14.00

NOTE: - INDICATES LESS THAN

C8-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	TOTAL ALK (MG/L CACO3)	AL (MG/L)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HCO3 (MG/L)	CO3 (MG/L)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W117	81	7	630.0	-.100	1.100	-.020	-.50	410.0	220.0	-.100	22.0	290.0	2.6	4.5
W118	80	8	430.0	.100	.080	-.020	-.50	280.0	150.0	-.100	130.0	210.0	2.8	4.6
			470.0	-.100	.400	-.020	-.50	320.0	150.0	-.100	23.0	210.0	2.8	4.3
82	3		1100.0		.400			1000.0	11.0			630.0	4.2	
	5		1100.0	-.100	-.040	-.020	.60	1100.0	15.0	-.100	33.0	560.0	4.4	6.1
	6		1100.0	-.100	.100	-.020	.50	1000.0	50.0	-.100	30.0	630.0	4.3	5.1
W119	81	7	640.0	-.100	1.000	-.020	-.50	500.0	140.0	-.100	27.0	320.0	3.1	5.8

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMI-ANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	I	Sb	Zn	Y	KR	GE	GA	TI	SC	M	CU	V	BE
				(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
W117	81	7													
W118	80	8													
	82	3													
		5													
		8													
W119	81	7													

-0.020
-0.020

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	OH (MG/L)	CH (MG/L)	P-ALKALINITY (MG/L CACO ₃)	MO-ALKALINITY (MG/L CACO ₃)	SCN (MG/L)	TURBIDITY (MG/L)	TOTAL ALPHA (PCI/L)	TOTAL BETA (PCI/L)	RADIUM-226 (PCI/L)	RADIUM-228 (PCI/L)
W117	81	7					-0.10					
W118	80	8							3.0	2.0		
									-1.0	7.0		
	82	3							1.0	3.0		
		5							-4.0	8.0		
		6										
W119	81	7					-0.10					

NOTE: - INDICATES LESS THAN

CR-TRAC I
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
INJECTION WELLS

WELL	YR	MO	FECAL COLIFORM (COLONY/ML)	TOTAL COLIFORM (COLONY/L)	CD (MG/L)	DUC (MG/L)	LAS (MG/L)	NI (MG/L)	S203 (MG/L)	SOLUBLE SOLIDS (MG/L)	U (MG/L)	SUSPENDED SOLIDS (MG/L)	THORIUM (MG/L)	CESIUM (MG/L)
W117	81	7				29.0		-.020						
W118	80	8				3.0		-.020						
	82	3				3.0		-.020						
		5				1.0								
		6				1.0								
W119	81	7				4.0		.040						

NOTE: - INDICATES LESS THAN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SHAFT

SHAFT	YR	MO	DY	GROUT	PROBE HOLE	DEPTH FT.	ELEV. FT.	FLOW GPM	TEMP DEGC	PH	SPEC. COND. U MHOS	DISSOLVED OXYGEN PPM
WZ01	79	10	2	6	11	18	5777					
			3	6	2	50	5745	30				
			8	6	3	40	5755	60				
			9	6	6	40	5755	60				
			10	6	3	80	5715	30				
			17	6	3	125	5670					
			19	6	6	140	5655	300				
			29	7	6	40	5636	55				
	80	1	12	7	1	40	5636					
			25	7	2	60	5616					
			2	13	7	8	5568	20				
			29	7	C	110	5566	175				
			4	2	8	48	5552	300	18.0	8.13	1905.0	5.8
			14	8	D	60	5541	100	6.0	9.12	2320.0	6.8
			16	8	B	68	5533	500	16.0	8.70	2440.0	5.8
			18	8	8	80	5521	300				
			29	8	A	90	5511	500	17.0	8.31	2050.0	
	5	5	8	8	C	148	5453	600	15.0	8.50	2200.0	6.7
			14	8	C	80	5521	300	10.0	8.80	1800.0	6.0
			6	29	4	42	5559	175	6.0	8.70	2180.0	
			7	8	10	100	5455	78				
			14	9	10	108	5447	116				
			22	12	10	126	5429	232				
	9	18	10			1262	5443		14.0	8.70	3390.0	6.7
			24	10	2	1277	5428		15.0	8.60	2600.0	7.4
			24	10		108	5370					
			25	10	7	1315	5390		15.0	8.40	3440.0	6.1
			26	10	4	84	5394	20				
			10	2		168	5310					
						150	5328					
WZ02	80	3	24		1	25	5710		10.0	8.10	6310.0	3.0
		6	24		16	110	5489	10				
				2	2	65	5534	5				
				23		110	5489	1				
	82	6	19			734	734					
						1165	1165					
						1348	1348					

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL FIELD MEASUREMENTS
SHAFT

SHAFT	YM	MO	DAY	GROUT	PROBE HOLE	DEPTH FT.	ELEV. FT.	FLOW GPM	TEMP DEGC	PH	SPEC. COND. U MHOS	DISSOLVED OXYGEN PPM
W202	82	6	19			1488	1488					
						1627	1627					
						1627	1627					
W203	80	1	12		5	20	5933					
					5	150	5803					
		4	21		3	30	5630	4				
					6	120	5540	100				
		9	26			1471	5358					
81	9	1			8	90	5034			8.04	4490.0	3.4
					6	95	5034			7.90	4360.0	2.6

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YH	MO	DY	CO (MG/L)	V (MG/L)	SI (MG/L)	TURB NTU	SUSPENDED SOLIDS (MG/L)	DOC (MG/L)	CR (MG/L)	CU (MG/L)
WZ01	79	10	2					17.0			
			3					41.0			
			8					70.0			
			9					120.0			
			10					770.0			
			17					680.0			
			19					170.0			
			29					61.0			
			1					8.0			
			12					-1.0			
			25					12.0			
			2					57.0	8.0		
			13					3.0	2.0		
			29					13.0	5.0		
			4					8.0	12.0		
WZ02	80	6	14					100.0	2.0		
			16					30.0	7.0		
			18					1.0	4.0		
			29					-1.0	2.0		
			5					15.0	3.0		
			14					-1.0	2.0		
			29					2.0	4.0		
			7				4.0	61.0			
			8					190.0	4.0		
			14					584.0	2.0		
			18					12.0	2.0		
			22					37.0	-1.0		
			24					41.0	2.0		
			25					1500.0	5.0		
			26					-1.0	-1.0		
								-1.0	2.0		
WZ02	80	3	24					130.0	3.0		
			6					-1.0	280.0		
			24					-1.0	160.0		
WZ02	82	6	19					6.0	150.0		

--.020

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YR	MO	DAY	CO (MG/L)	V (MG/L)	SI (MG/L)	TURB NTU	SUSPENDED SOLIDS (MG/L)	DOC (MG/L)	CH (MG/L)	CU (MG/L)
WZ02	82	6	19								
WZ03	80	1	12					18.0			
		4	21					100.0			
		9	26					13.0	3.0		
		9	1					9.0	3.0		
	81	9	1					1000.0	-1.0		
								7.0	2.0		
								64.0	6.0		

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YH	MO	DY	MO	NI	NO ₃	OIL AND GREASE (MG/L)	PHEN (MG/L)	K (MG/L)	B (MG/L)	TOTAL DISS SOLIDS (MG/L)	SR (MG/L)	SO ₄ (MG/L)	CD (MG/L)	CL (MG/L)	COD (MG/L)
W201	79	10	2	-.020			7.0	-.0010			1300.0					
			3	-.020			10.0	.0010			1300.0					
			8	-.020			4.0	.0100			1200.0					
			9	-.020			2.0	-.0010		.60	1100.0					
			10	-.020			2.0	-.0010		.70	1300.0					
			17	-.020			2.0	.0100		.80	1300.0					
			19				11.0	.0030		.80	1300.0					
			29	.040			2.0	-.0010		.40	1200.0		480.0		11.0	
			29	.080			2.0	-.0010	1.2	.80	1300.0		24.0		22.0	
80	1	12		.040			5.0	-.0010	1.1	.70	1300.0		8.0		7.2	
			25	.020			17.0	-.0010	2.7	.60	1400.0		77.0		12.0	
			2 13	.010			4.0	-.0010	9.0	.30	1300.0		110.0		20.0	
			29	-.020			8.0	-.0010	3.4	.40	1300.0		24.0		23.0	
			4 2	-.010			12.0	-.0010	1.6	.40	1300.0		-5.0		48.0	14.0
			14	.010			1.0	-.0010	15.0	.50	1300.0		110.0		48.0	
			16	-.010			14.0	.0010	7.9	.60	1400.0		49.0		47.0	
			18	.010			4.0	.0010	25.0	.50	1400.0		200.0		50.0	
			29	-.010			12.0	-.0010	11.0	.60	1400.0		64.0		65.0	
			5 5	.010			1.0	-.0010	15.0	1.00	1600.0		180.0		62.0	
				.010			1.0	-.0010	25.0	.60	1400.0		110.0		49.0	
			14	-.010			7.0		8.8	.50	1300.0		81.0		40.0	
			6 29	-.010			7.0	-.0010	19.0	1.00	1500.0		43.0		6.5	
			7 8	.010			4.0	-.0010	60.0	1.10	1700.0		220.0		7.0	
			14	.020			-1.0	.0030	17.0	1.20	1800.0		61.0		8.0	
			9 18	-.010			1.0	-.0010	16.0	1.00	2100.0		6.0		13.0	
			22	-.010			2.0	-.0010	12.0	1.20	1800.0		27.0		8.8	
			24	.010			28.0	.1000	28.0	1.40	1900.0		90.0		9.1	
			25	-.010			21.0	-.0010	20.0	1.30	2300.0		71.0		13.0	
			25	.020			23.0	-.0010	20.0	1.00	2000.0		110.0		11.0	
			26	-.010			2.0	-.0010	3.4	.80	1000.0		-5.0		5.9	
				-.010			6.0	-.0010	7.3	.70	1100.0		32.0		5.9	
W202	80	3	24	.070			2.0	.0080	4.5	-.10	4700.0		-5.0		30.0	
			6 24	-.010			11.0	-.0010	1.8	1.50	1700.0		-5.0		7.0	
				-.010			8.0	-.0010	1.2	.50	1000.0		-5.0		5.0	
			82	6	19		5.0	.0010	1.4	.50	1300.0		-5.0		6.4	

NOTE: - INDICATES LESS THEN

CB-THACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSES
SHAFT

SHAFT	YR	MO	DAY	MO	NI	NO3	OIL AND GREASE	PHEN	K	B	TOTAL DISS SOLIDS	SH	SO4	CD	CL	COD
				(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
#202	82	6	19													
#203	80	1	12	-0.020		-0.10	2.0	-0.0010	.4	.40	580.0		18.0		17.0	
				-0.020		-0.10	5.0	-0.0010	.4	.20	560.0		18.0		18.0	
	4	21		-0.010		14.00	6.0	-0.0010	2.1	.40	750.0		9.0		59.0	
				-0.010		5.10	7.0	-0.0010	1.0	.50	900.0		20.0		42.0	
	9	26				-0.50	14.0	-0.0010	3.1	.70	850.0		-5.0		3.4	
	81	9	1	-0.010		-0.50	-10.0	.0040	4.0	.70	2800.0		-5.0		18.0	
				-0.010		-0.50	-10.0	.0050	4.4	.70	2700.0		-5.0		17.0	

NOTE: - INDICATES LESS THEN

CB-TNACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSIS
SHAFT

SHAFT	YR	MO	DAY	FECAL COLIF. COLONY /100ML	TOTAL COLIF. COLONY /100ML	N KJELD. (MG/L)	HG (MG/L)	SE (MG/L)	AG (MG/L)	ZN (MG/L)	PB (MG/L)	LI (MG/L)	MN (MG/L)	FE (MG/L)	F (MG/L)	SODIUM ABSORPTION RATIO (ME/L)
WZ01	79	10	2			1.1					-.020		-.020	.50	17.00	
			3			2.2							-.020	.40	.70	
			8			2.1							-.020	-.02	16.00	
			9			2.2							-.020	-.02	12.00	
			10			1.4							.300	5.60	1.70	
			17			1.2							-.020	-.02	15.00	
			19										-.020	-.02	15.00	
			29										-.020	-.02	19.00	
80	1	12											-.020	-.02	20.00	32.534
			25										-.020	-.02	20.00	36.997
			29			1.8							-.020	-.02	19.00	32.385
			29										-.020	-.02	15.00	23.975
			4										-.020	-.02	16.00	37.301
			14										-.020	-.02	18.00	29.587
			16										-.020	.06	19.00	35.873
			18										-.020	.03	16.00	39.443
			29			1.4							-.020	-.02	19.00	35.264
			5										-.020	-.02	18.00	48.749
			14										-.020	-.02	19.00	18.341
			14										-.020	.02	18.00	19.531
			29										-.020	.02	17.00	18.064
			7										-.020	.02	18.00	30.585
			8										-.020	.07	14.00	59.544
			14										-.020	.02	20.00	72.052
			18										-.020	-.02	26.00	54.787
			22										-.020	-.02	19.00	80.173
			24										-.020	-.02	28.00	57.077
			25										-.020	-.02	26.00	96.560
			26										-.020	.03	30.00	78.553
													-.020	-.02	36.00	80.479
													-.020	-.02	31.00	32.869
													-.020	-.02	30.00	32.242
WZ02	80	3	24										-.020	.10	25.00	175.421
			6										-.020	.07	25.00	54.861
													-.020	.10	23.00	38.768
													-.020	.08	25.00	46.914
			82												.20	
			19												10.40	

NOTE: - INDICATES LESS THEN

СН-ТНАСТ

NOTE: - INDICATES LESS THEN

CB-TRACT
QUARTER AND SEMIANNUAL WATER QUALITY ANALYSIS
SHAFT

SHAFT	YR	MO	DAY	TOTAL ALK (MG/L CACO3)	AMMONIA AS N (MG/L)	AS (MG/L)	BA (MG/L)	HC03 (MG/L CACO3)	CO3 (MG/L CACO3)	BOD (MG/L)	BR (MG/L)	HARDNESS (MG/L CACO3)	NA (MG/L)	MG (MG/L)	CA (MG/L)
W201	79	10	2			-.020									
			3		1.200	-.020									
			8		1.400	-.020									
			9			-.020									
			10			-.020									
			17			-.020									
			19			.020									
			29	1100.0	1.000	-.020		1000.0	100.0				530.0	7.3	8.1
80	1	12		1100.0	.400	-.020		970.0	130.0				510.0	4.8	6.5
				1100.0	.500	-.020		1000.0	76.0				520.0	7.5	7.2
			25	110.0	1.000	-.020		950.0	130.0				530.0	14.0	14.0
2	13			980.0	1.700	.030		620.0	360.0				470.0	4.7	4.3
4	2			1200.0	1.600	-.020		1000.0	150.0	-1.0			500.0	7.5	9.3
				1100.0	1.500	-.020		940.0	180.0				520.0	5.3	7.2
			14	1100.0	1.700	-.020		940.0	500.0				530.0	5.4	4.8
			16	1200.0	1.200	-.020		850.0	350.0				540.0	7.4	5.6
			18	1000.0	1.300	-.020		240.0	760.0				530.0	3.5	3.2
			29	1300.0	1.100	-.020		990.0	280.0				570.0	11.0	55.0
5	5			1400.0	1.100	-.020		1000.0	390.0				630.0	12.0	59.0
				1200.0	1.200	-.020		860.0	320.0				560.0	12.0	53.0
			14	1100.0	.800	-.020		740.0	370.0				490.0	5.8	9.9
6	29			1300.0	1.500	-.020		890.0	440.0				670.0	3.4	4.0
7	8			1400.0	1.500	-.020		620.0	750.0				690.0	2.4	3.0
				1500.0	.200	-.020		1100.0	380.0				690.0	3.9	5.6
9	18			2000.0	.700	-.020		1500.0	500.0				890.0	3.0	4.4
				1600.0	.800	-.020		1200.0	420.0				740.0	3.3	7.3
24				1600.0	4.600	-.020		630.0	950.0				830.0	1.7	2.8
				2000.0	1.700	-.020		1600.0	400.0				1000.0	2.9	7.5
25				1700.0	.700	-.020		990.0	710.0				860.0	2.4	4.7
26				950.0	2.300	-.020		850.0	98.0				420.0	3.2	7.1
				990.0	.900	-.020		710.0	280.0				440.0	3.1	9.0
W202	80	3	24	4400.0	1.300	-.020		3300.0	1100.0				1900.0	2.3	5.1
			6	1600.0	1.700	-.020		1500.0	72.0				740.0	4.0	7.2
				930.0	1.000	-.020		850.0	76.0				460.0	3.2	5.4
				1200.0	.800	-.020		1100.0	130.0				560.0	3.4	5.2
82	6	19													

NOTE: - INDICATES LESS THEN

CB-TKACT
QUARTER AND SEMI ANNUAL WATER QUALITY ANALYSIS
SHAFT

SHAFT	YR	MO	DY	TOTAL		AMMONIA		AS	BA	HC03		CO3		BOD	BK	HARDNESS	NA	MG	CA
				ALK	AL	AS N	(MG/L)	(MG/L)	(MG/L)	(MG/L)	CAC03	(MG/L)	CAC03	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
WZ02	82	6	19																
WZ03	80	1	12	490.0	-0.100	1.200	-0.020	-0.020		410.0	84.0						250.0	3.5	5.5
				460.0	-0.100	.050	-0.020	-0.020		380.0	80.0						230.0	3.3	6.4
	4	21		680.0	-0.100	.900	-0.020	-0.020		500.0	180.0						300.0	4.3	11.0
				820.0	-0.100	1.000	-0.020	-0.020		730.0	90.0						360.0	61.0	7.3
	9	26		750.0	-0.100	.800	-0.020	-0.020		630.0	120.0						350.0	2.3	4.9
	81	9	1	2600.0	-0.100	1.900	-0.020	-0.020		1900.0	720.0						1500.0	2.4	4.1
				2500.0	-0.100	1.800	-0.020	-0.020		2000.0	480.0						1400.0	2.4	4.1

NOTE: - INDICATES LESS THEN

